



POLYEIGHT

Classic Analog 8-Voice Programmable Polyphonic Synthesizer with 2044 VCFs, BBD Effects and 49-Key Aftertouch Keyboard

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EN Safety Instructions

Please read these safety instructions carefully and pay close attention to any warning symbols displayed on the product and their related safety information in this instruction.



Terminals marked with this symbol carry electrical current of sufficient magnitude to constitute risk of electric shock. Use only high-quality professional speaker cables with ¼" TS or twist-locking plugs pre-installed. All other installation or modification should be performed only by qualified personnel.



This symbol, wherever it appears, alerts you to the presence of uninsulated dangerous voltage inside the enclosure voltage that may be sufficient to constitute a

risk of shock.



This symbol, wherever it appears, alerts you to important operating and maintenance instructions. Please read full manual.



Caution
To reduce the risk of electric shock, do not remove the top cover (or the rear section). No user serviceable parts inside.

Refer servicing to qualified personnel.



Caution
To reduce the risk of fire or electric shock, do not expose this appliance to rain and moisture. The apparatus shall not be exposed

to dripping or splashing liquids and no objects filled with liquids, such as vases, shall be placed on the apparatus.



Caution
These service instructions are for use by qualified service personnel only. To reduce the risk of electric shock do not perform

any servicing other than that contained in the operation instructions. Repairs have to be performed by qualified service personnel.



Warning
Please refer to the information on the exterior of bottom enclosure for electrical and safety information before installing or

operating the device.



Warning
To prevent possible hearing damage, do not listen at high volume levels for long periods. As a guide to setting the volume level, check that you can still hear your own voice, when speaking normally while listening with the headphones.

1. Read and keep these instructions. Heed all warnings and follow all instructions.
2. Do not use this apparatus near water (if applicable). Clean only with dry cloth.
3. Do not block ventilation openings (if applicable). Do not install in a confined space. Install only according to manufacturer's instructions.
4. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat. Do not place naked flame sources, such as lighted candles, on the apparatus.
5. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other (only for USA and Canada). A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
6. (If applicable) Protect the power cord from being walked on or pinched particularly as plugs, convenience receptacles, and the point where they exit from the apparatus.
7. Use only attachments and accessories recommended by the manufacturer.
8.  Use only specified carts, stands, tripods, brackets, or tables specified by the manufacturer, or sold with the apparatus (if applicable). When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
9. Unplug during storms, or if not in use for a long period.
10. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
11. (If applicable)The apparatus with protective earthing terminal shall be connected to a MAINS socket outlet with a protective earthing connection.
12. (If applicable)Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
13. Internal/External Voltage Selectors (if applicable): Internal or external voltage selector switches, if any, should only be reset and re-equipped with proper plug or alternative voltage by a qualified service technician. Do not attempt to alter this yourself.
14. Class II Wiring (if applicable): To reduce the risk of electric shock, the external wiring connected to the terminals with "Class II Wiring" requires Class II wiring installed by an instructed person or the use of ready-made leads or cords.

15. Class I Wiring (if applicable): To reduce the risk of electric shock, the external wiring connected to the terminals with "Class I Wiring" requires Class I wiring installed by an instructed person or the use of ready-made leads or cords.
16. Operating temperature range 5° to 45° C (41° to 113° F).

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Please retain your proof of purchase, as it may be required for warranty service.

[ES] Instrucciones de Seguridad

Por favor, lea estas instrucciones de seguridad cuidadosamente y preste especial atención a cualquier símbolo de advertencia mostrado en el producto y a la información de seguridad relacionada en estas instrucciones.



Los terminales marcados con este símbolo transportan corriente eléctrica de magnitud suficiente para constituir un riesgo de descarga eléctrica. Use únicamente cables de altavoz profesionales de alta calidad con conectores preinstalados de ¼" TS o de tipo de bloqueo por torsión. Cualquier otra instalación o modificación debe ser realizada únicamente por personal cualificado.

Este símbolo, dondequiera que aparezca, le alerta sobre la presencia de voltaje peligroso no aislado dentro de la carcasa, voltaje que puede ser suficiente para constituir un riesgo de descarga eléctrica.

¡Este símbolo, dondequiera que aparezca, le alerta sobre importantes instrucciones de operación y mantenimiento. Por favor, lea el manual completo.

Precaución
Para reducir el riesgo de descarga eléctrica, no retire la tapa superior (o la sección trasera). No hay piezas que el usuario pueda reparar en el interior. Remita el servicio de reparación a personal cualificado.

Precaución
Para reducir el riesgo de incendio o descarga eléctrica, no exponga este aparato a la lluvia o humedad. El aparato no debe ser expuesto a líquidos goteando o salpicando y no se deben colocar objetos llenos de líquidos, como floreros, sobre el aparato.

Precaución
Estas instrucciones de servicio son para uso exclusivo de personal de servicio cualificado. Para reducir el riesgo de descarga eléctrica no realice ningún servicio diferente al contenido en las instrucciones de operación. Las reparaciones deben ser realizadas por personal de servicio cualificado.

Advertencia
Consulte la información en el exterior de la carcasa inferior para información eléctrica y de seguridad antes de instalar o operar el dispositivo.

Advertencia
Para prevenir posibles daños auditivos, no escuche a niveles de volumen altos durante períodos prolongados. Como guía para establecer el nivel de volumen, asegúrese de que aún pueda oír su propia voz al hablar normalmente mientras usa los auriculares.

- Lea y conserve estas instrucciones. Preste atención a todas las advertencias y siga todas las instrucciones.
- No utilice este aparato cerca del agua (si aplica). Límpielo sólo con un paño seco.
- No bloquee las aberturas de ventilación (si aplica). No instale en un espacio confinado. Instale sólo de acuerdo con las instrucciones del fabricante.
- No instale cerca de fuentes de calor tales como radiadores, registros de calor, estufas u otros aparatos (incluidos amplificadores) que produzcan calor. No coloque fuentes de llamas abiertas, como velas encendidas, sobre el aparato.
- No anule el propósito de seguridad del enchufe polarizado o con conexión a tierra. Un enchufe polarizado tiene dos cuchillas, una más ancha que la otra (sólo para EE.UU. y Canadá). Un enchufe de tipo conexión a tierra tiene dos cuchillas y una tercera espiga de conexión a tierra. La cuchilla ancha o la tercera espiga se proporcionan para su seguridad. Si el enchufe proporcionado no encaja en su tomacorriente, consulte a un electricista para reemplazar el tomacorriente obsoleto.
- (Si aplica) Proteja el cable de alimentación para evitar que sea pisado o pinzado, particularmente en los enchufes, receptáculos de conveniencia y el punto de salida del aparato.
- Utilice sólo accesorios y complementos recomendados por el fabricante.
-  Utilice sólo carros, soportes, trípodes, abrazaderas o mesas especificadas por el fabricante o vendidas con el aparato (si aplica). Cuando se utilice un carro, tenga cuidado al mover la combinación de carro/aparato para evitar lesiones por vuelco.
- Desconecte durante tormentas o si no va a utilizarse durante un período prolongado.
- Remita todo el servicio de mantenimiento a personal de servicio cualificado. Se requiere servicio de mantenimiento cuando el aparato ha sido dañado de alguna forma, como cuando el cable de alimentación o el enchufe están dañados, se ha derramado líquido o han caído objetos en el aparato, ha estado expuesto a lluvia o humedad, no funciona normalmente, o se ha caído.
- (Si aplica) El aparato con terminal de tierra protectora debe estar conectado a un enchufe de red (MAINS) con conexión de tierra protectora.
- (Si aplica) Cuando el enchufe de red o un acoplador de aparato se utilice como dispositivo de desconexión, el dispositivo de desconexión debe permanecer fácilmente operable.
- Selectores de voltaje interno/externo (si aplica): Los interruptores de selección de voltaje interno o externo, si los hay, sólo deben ser reajustados y reacondicionados con el enchufe adecuado o un voltaje alternativo por un técnico de servicio cualificado. No intente alterarlo usted mismo.

- Cableado de Clase II (si aplica): Para reducir el riesgo de descarga eléctrica, el cableado externo conectado a los terminales con "Cableado de Clase II" requiere un cableado de Clase II instalado por una persona instruida o el uso de cables o cordones prefabricados.
- Cableado Clase I (si aplica): Para reducir el riesgo de descarga eléctrica, el cableado externo conectado a los terminales con "Cableado Clase I" requiere cableado Clase I instalado por una persona instruida o el uso de conductores o cables prefabricados.
- Rango de temperatura de operación de 5° a 45° C (41° a 113° F).

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Conserve su comprobante de compra, ya que puede ser necesario para el servicio de garantía.

[DE] Sicherheitshinweise

Bitte lesen Sie diese Sicherheitshinweise sorgfältig durch und achten Sie besonders auf alle auf dem Produkt angebrachten Warnsymbole sowie auf die entsprechenden Sicherheitsinformationen in dieser Anleitung.



Anschlüsse, die mit diesem Symbol gekennzeichnet sind, führen elektrischen Strom in einer Stärke, die ein Risiko eines elektrischen Schlags darstellen kann.

Verwenden Sie ausschließlich hochwertige professionelle Lautsprecherkabel mit vormontierten ¼"-TS- oder Drehverriegelungssteckern. Alle weiteren Installationen oder Modifikationen dürfen nur von qualifiziertem Fachpersonal durchgeführt werden.

Dieses Symbol, wo immer es erscheint, weist auf das Vorhandensein einer nicht isolierten gefährlichen Spannung im Gehäuse hin, die stark genug sein kann, um einen elektrischen Schlag zu verursachen.

Dieses Symbol, wo immer es erscheint, weist auf wichtige Bedienungs- und Wartungshinweise hin. Bitte lesen Sie das vollständige Handbuch.

Vorsicht
Um das Risiko eines elektrischen Schlags zu verringern, entfernen Sie nicht die obere Abdeckung (oder den hinteren Abschnitt). Im Inneren befinden sich keine vom Benutzer zu wartenden Teile. Überlassen Sie Wartungsarbeiten qualifiziertem Fachpersonal.

Vorsicht
Um das Risiko von Feuer oder elektrischem Schlag zu reduzieren, setzen Sie dieses Gerät weder Regen noch Feuchtigkeit aus. Das Gerät darf nicht Tropf- oder Spritzwasser ausgesetzt werden, und es dürfen keine mit Flüssigkeiten gefüllten Objekte, wie z.B. Vasen, auf das Gerät gestellt werden.

Vorsicht
Diese Wartungsanweisungen sind nur für qualifiziertes Fachpersonal bestimmt. Um das Risiko eines elektrischen Schlags zu verringern, führen Sie keine Wartungsarbeiten durch, die über die im Betriebshandbuch enthaltenen Anweisungen hinausgehen. Reparaturen müssen von qualifiziertem Fachpersonal durchgeführt werden.

Warnung
Bitte beachten Sie die Informationen auf der Außenseite des unteren Gehäuses bezüglich elektrischer und sicherheitstechnischer Hinweise, bevor Sie das Gerät installieren oder in Betrieb nehmen.

Warnung
Um mögliche Hörschäden zu vermeiden, hören Sie nicht über längere Zeiträume bei hoher Lautstärke. Als Richtlinie für die Lautstärkeeinstellung stellen Sie sicher, dass Sie Ihre eigene Stimme beim normalen Sprechen noch hören können, während Sie Kopfhörer verwenden.

- Lesen und bewahren Sie diese Anweisungen auf. Beachten Sie alle Warnhinweise und folgen Sie allen Anweisungen.
- Verwenden Sie dieses Gerät nicht in der Nähe von Wasser (falls zutreffend). Reinigen Sie es nur mit einem trockenen Tuch.
- Blockieren Sie keine Lüftungsöffnungen (falls zutreffend). Installieren Sie das Gerät nicht in einem engen Raum. Installieren Sie es nur gemäß den Anweisungen des Herstellers.
- Installieren Sie das Gerät nicht in der Nähe von Wärmequellen wie Heizkörpern, Heizregistern, Öfen oder anderen Geräten (einschließlich Verstärkern), die Wärme erzeugen. Stellen Sie keine offenen Flammenquellen wie brennende Kerzen auf das Gerät.
- Setzen Sie nicht die Sicherheitsfunktion des polarisierten oder geerdeten Steckers außer Kraft. Ein polarisierter Stecker hat zwei Stifte, von denen einer breiter ist als der andere (nur für USA und Kanada). Ein geerdeter Stecker hat zwei Stifte und einen dritten Erdungsstift. Der breite Stift oder der dritte Stift dient Ihrer Sicherheit. Wenn der mitgelieferte Stecker nicht in Ihre Steckdose passt, wenden Sie sich an einen Elektriker, um die Steckdose auszutauschen.
- (Falls zutreffend) Schützen Sie das Netzkabel davor, überfahren oder geknickt zu werden, insbesondere an Steckern, Steckdosen und dem Austrittspunkt aus dem Gerät.
- Verwenden Sie nur Zubehör und Zusatzgeräte, die vom Hersteller empfohlen werden.
-  Verwenden Sie nur Wagen, Ständer, Stative, Halterungen oder Tische, die vom Hersteller spezifiziert oder mit dem Gerät verkauft wurden (falls zutreffend). Seien Sie beim Bewegen der Kombination Wagen/Gerät vorsichtig, um Verletzungen durch Umkippen zu vermeiden.
- Trennen Sie das Gerät während Gewittern oder wenn es längere Zeit nicht verwendet wird vom Stromnetz.
- Überlassen Sie alle Wartungsarbeiten qualifiziertem Fachpersonal. Eine Wartung ist erforderlich, wenn das Gerät in irgendeiner Weise beschädigt wurde, z.B. wenn das Netzkabel oder der Stecker beschädigt ist, Flüssigkeit verschüttet oder Gegenstände in das Gerät gefallen sind, das Gerät Regen oder Feuchtigkeit ausgesetzt war, nicht normal funktioniert oder fallen gelassen wurde.
- (Falls zutreffend) Das Gerät mit Schutzerdungsklemme muss an eine Netzsteckdose mit Schutzerdung angeschlossen werden.
- (Falls zutreffend) Wenn der Netzstecker oder ein Gerätestecker als Trennvorrichtung verwendet wird, muss die Trennvorrichtung leicht zugänglich bleiben.
- Interne/Externe Spannungswähler (falls zutreffend): Interne oder externe Spannungswahlschalter dürfen nur von qualifiziertem Fachpersonal auf die richtige Spannung eingestellt und mit dem passenden Stecker versehen werden. Versuchen Sie nicht, dies selbst zu ändern.

- Klasse-II-Verkabelung (falls zutreffend): Um das Risiko eines elektrischen Schlags zu verringern, muss die externe Verkabelung, die mit den als "Klasse-II-Verkabelung" gekennzeichneten Klemmen verbunden wird, entweder von einer unterwiesenen Person installiert oder es müssen vorgefertigte Leitungen oder Kabel verwendet werden.
- Klasse-I-Verdrahtung (falls zutreffend): Zur Reduzierung des Risikos eines elektrischen Schlags erfordert die externe Verdrahtung, die an die mit „Klasse-I-Verdrahtung“ gekennzeichneten Klemmen angeschlossen ist, eine durch eine unterwiesene Person installierte Klasse-I-Verdrahtung oder die Verwendung vorgefertigter Leitungen oder Kabel
- Betriebstemperaturbereich von 5° bis 45° C (41° bis 113° F).

HAFTUNGSAUSSCHLUSS

Die Informationen in diesem Schnellstart-Handbuch und dem begleitenden Handbuch dienen ausschließlich als allgemeine Orientierung. Obwohl alle Anstrengungen unternommen wurden, um die Genauigkeit und Zuverlässigkeit der Inhalte zum Zeitpunkt der Veröffentlichung sicherzustellen, gibt Music Tribe Global Brands Ltd. („Music Tribe“) keine ausdrücklichen oder stillschweigenden Zusicherungen oder Garantien hinsichtlich der Vollständigkeit, Genauigkeit oder Eignung der hier enthaltenen Informationen, Beschreibungen, Abbildungen oder technischen Spezifikationen.

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Bitte bewahren Sie Ihren Kaufbeleg auf, da dieser für den Garantieservice erforderlich sein kann.

FR Instructions de Sécurité

Veuillez lire attentivement ces instructions de sécurité et prêter une attention particulière à tout symbole d'avertissement affiché sur le produit ainsi qu'aux informations de sécurité associées dans ce manuel.



Les bornes marquées avec ce symbole transportent un courant électrique d'une intensité suffisante pour constituer un risque de choc électrique. Utilisez uniquement des câbles d'enceinte professionnels de haute qualité avec des prises ¼" TS ou à verrouillage par rotation préinstallées. Toute autre installation ou modification doit être effectuée uniquement par du personnel qualifié.

Ce symbole, où qu'il apparaisse, vous alerte de la présence d'une tension dangereuse non isolée à l'intérieur du boîtier, une tension qui pourrait être suffisante pour constituer un risque de choc électrique.

Ce symbole, où qu'il apparaisse, vous alerte de la présence d'instructions importantes concernant l'utilisation et l'entretien. Veuillez lire attentivement le manuel complet.

Précaution
Pour réduire le risque de choc électrique, ne retirez pas le couvercle supérieur (ou la partie arrière). Aucune pièce réparable par l'utilisateur à l'intérieur. Confiez toute réparation à du personnel qualifié.

Précaution
Pour réduire le risque d'incendie ou de choc électrique, n'exposez pas cet appareil à la pluie ni à l'humidité. L'appareil ne doit pas être exposé à des éclaboussures ou à des projections de liquide et aucun objet rempli de liquide, tel qu'un vase, ne doit être posé sur l'appareil.

Précaution
Ces instructions de service sont destinées uniquement au personnel de maintenance qualifié. Pour réduire le risque de choc électrique, ne réalisez aucun entretien autre que celui mentionné dans le manuel d'utilisation. Les réparations doivent être effectuées par du personnel qualifié.

Avertissement
Veuillez consulter les informations figurant sur l'extérieur du boîtier inférieur pour connaître les informations électriques et de sécurité avant d'installer ou d'utiliser l'appareil.

Avertissement
Pour prévenir les risques de lésions auditives, évitez d'écouter à des niveaux de volume élevés pendant de longues périodes. Comme guide pour régler le volume, assurez-vous de pouvoir encore entendre votre propre voix en parlant normalement tout en écoutant avec des écouteurs.

- Lisez et conservez ces instructions. Respectez tous les avertissements et suivez toutes les instructions.
- N'utilisez pas cet appareil à proximité de l'eau (le cas échéant). Nettoyez uniquement avec un chiffon sec.
- Ne bloquez pas les ouvertures de ventilation (le cas échéant). N'installez pas dans un espace confiné. Installez uniquement selon les instructions du fabricant.
- N'installez pas l'appareil près de sources de chaleur telles que radiateurs, registres de chaleur, poêles ou autres appareils (y compris les amplificateurs) produisant de la chaleur. Ne placez pas de sources de flammes nues, comme des bougies allumées, sur l'appareil.
- Ne contournez pas la fonction de sécurité de la fiche polarisée ou de type mise à la terre. Une fiche polarisée possède deux broches, l'une plus large que l'autre (uniquement pour les États-Unis et le Canada). Une fiche de mise à la terre possède deux broches et une troisième broche de mise à la terre. La broche large ou la troisième broche est fournie pour votre sécurité. Si la fiche fournie ne s'insère pas dans votre prise, contactez un électricien pour remplacer la prise obsolète.
- (Le cas échéant) Protégez le cordon d'alimentation contre les piétinements et les pincements, en particulier au niveau des fiches, des prises de courant de commodité et à leur point de sortie de l'appareil.
- Utilisez uniquement les accessoires spécifiés par le fabricant.
-  Utilisez uniquement les chariots, supports, trépieds, équerres ou tables spécifiés par le fabricant ou vendus avec l'appareil (le cas échéant). Lorsqu'un chariot est utilisé, soyez prudent lors du déplacement de l'ensemble chariot/appareil afin d'éviter les blessures par basculement.
- Débranchez l'appareil pendant les orages ou s'il reste inutilisé pendant une longue période.
- Confiez toutes les réparations à du personnel qualifié. Une réparation est nécessaire lorsque l'appareil a été endommagé d'une quelconque manière, par exemple si le cordon d'alimentation ou la fiche est endommagé, si du liquide a été renversé ou si des objets sont tombés dans l'appareil, si l'appareil a été exposé à la pluie ou à l'humidité, ne fonctionne pas normalement ou est tombé.
- (Le cas échéant) L'appareil avec une borne de mise à la terre de protection doit être connecté à une prise de courant MAINS avec une connexion de mise à la terre de protection.
- (Le cas échéant) Lorsqu'une fiche de secteur ou un coupleur d'appareil est utilisé comme dispositif de déconnexion, le dispositif de déconnexion doit rester facilement accessible.
- Sélecteurs de tension internes/externes (le cas échéant): Les sélecteurs de tension internes ou externes, s'ils existent, doivent uniquement être réinitialisés et reconfigurés avec la fiche appropriée ou une tension alternative par un technicien qualifié. N'essayez pas de modifier cela vous-même.

- Câblage de Classe II (le cas échéant): Pour réduire le risque de choc électrique, le câblage externe connecté aux bornes indiquées "Classe II" doit être un câblage de Classe II installé par une personne qualifiée ou utiliser des câbles ou cordons préfabriqués.
- Câblage de Classe I (le cas échéant) : Afin de réduire le risque de choc électrique, le câblage externe connecté aux bornes avec « Câblage de Classe I » nécessite un câblage de Classe I installé par une personne qualifiée ou l'utilisation de fils ou cordons préfabriqués.
- Plage de température de fonctionnement de 5° à 45° C (41° à 113° F).

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Veuillez conserver votre preuve d'achat, car elle pourrait être requise pour bénéficier du service de garantie.

IT Istruzioni di Sicurezza

Si prega di leggere attentamente queste istruzioni di sicurezza e prestare particolare attenzione a tutti i simboli di avvertimento visualizzati sul prodotto e alle relative informazioni sulla sicurezza contenute in questo manuale.



I terminali contrassegnati con questo simbolo trasportano corrente elettrica di intensità sufficiente da costituire un rischio di scossa elettrica. Utilizzare esclusivamente cavi per altoparlanti professionali di alta qualità con connettori ¼" TS o twist-lock preinstallati. Qualsiasi altra installazione o modifica deve essere effettuata solo da personale qualificato.

Questo simbolo, ovunque appaia, avvisa della presenza di una tensione pericolosa non isolata all'interno dell'involucro, sufficientemente elevata da costituire un rischio di scossa elettrica.

Questo simbolo, ovunque appaia, segnala importanti istruzioni operative e di manutenzione. Si prega di leggere il manuale completo.

Precauzione
Per ridurre il rischio di scosse elettriche, non rimuovere il coperchio superiore (o la parte posteriore). Non vi sono parti riparabili dall'utente all'interno. Affidare l'assistenza a personale qualificato.

Precauzione
Per ridurre il rischio di incendio o scossa elettrica, non esporre questo apparecchio a pioggia o umidità. L'apparecchio non deve essere esposto a gocciolamenti o spruzzi e nessun oggetto pieno di liquidi, come vasi, deve essere posto sopra di esso.

Precauzione
Queste istruzioni di servizio sono destinate esclusivamente a personale qualificato. Per ridurre il rischio di scosse elettriche, non eseguire interventi di manutenzione diversi da quelli descritti nel manuale operativo. Le riparazioni devono essere effettuate da personale qualificato.

Avvertenza
Fare riferimento alle informazioni sull'esterno della parte inferiore dell'involucro per le informazioni elettriche e di sicurezza prima di installare o utilizzare il dispositivo.

Avvertenza
Per prevenire possibili danni all'udito, non ascoltare a livelli di volume elevati per periodi prolungati. Come guida per impostare il volume, assicurarsi di poter ancora sentire la propria voce mentre si parla normalmente con le cuffie indossate.

- Leggere e conservare queste istruzioni. Prestare attenzione a tutti gli avvertimenti e seguire tutte le istruzioni.
- Non utilizzare questo apparecchio vicino all'acqua (se applicabile). Pulire solo con un panno asciutto.
- Non ostruire le aperture di ventilazione (se applicabile). Non installare in spazi ristretti. Installare solo secondo le istruzioni del produttore.
- Non installare vicino a fonti di calore come radiatori, registri di calore, stufe o altri apparecchi (inclusi amplificatori) che producono calore. Non posizionare fonti di fiamme libere, come candele accese, sull'apparecchio.
- Non annullare la funzione di sicurezza della spina polarizzata o con messa a terra. Una spina polarizzata ha due poli, uno più largo dell'altro (solo per USA e Canada). Una spina con messa a terra ha due poli e un terzo per la messa a terra. Il polo largo o il terzo polo sono presenti per la vostra sicurezza. Se la spina fornita non si inserisce nella vostra presa, contattare un elettricista per la sostituzione della presa obsoleta.
- (Se applicabile) Proteggere il cavo di alimentazione da schiacciamenti o piegature, soprattutto in prossimità di spine, prese di corrente e al punto di uscita dall'apparecchio.
- Utilizzare solo accessori e dispositivi raccomandati dal produttore.
-  Utilizzare solo carrelli, supporti, treppiedi, staffe o tavoli specificati dal produttore o venduti con l'apparecchio (se applicabile). Quando si utilizza un carrello, prestare attenzione nello spostare la combinazione carrello/apparecchio per evitare ribaltamenti e lesioni.
- Scollegare durante i temporali o se non si utilizza per un lungo periodo.
- Affidare tutte le riparazioni a personale qualificato. L'assistenza è necessaria quando l'apparecchio è stato danneggiato in qualsiasi modo, ad esempio se il cavo di alimentazione o la spina sono danneggiati, se è stato versato liquido o sono caduti oggetti nell'apparecchio, se l'apparecchio è stato esposto a pioggia o umidità, non funziona normalmente o è caduto.
- (Se applicabile) L'apparecchio dotato di morsetto di terra protettivo deve essere collegato a una presa di corrente MAINS con collegamento di terra protettivo.
- (Se applicabile) Quando la spina di rete o un connettore dell'apparecchio è utilizzato come dispositivo di disconnessione, il dispositivo di disconnessione deve rimanere facilmente accessibile.
- Selettori di tensione interni/esterni (se applicabile): Gli interruttori selettori di tensione interni o esterni, se presenti, devono essere reimpostati e dotati di spina appropriata o tensione alternativa solo da personale tecnico qualificato. Non tentare di modificarli autonomamente. Cablaggio di Classe

- (se applicabile): Per ridurre il rischio di scossa elettrica, il cablaggio esterno collegato ai terminali con "Classe II" deve essere un cablaggio di Classe II installato da personale qualificato oppure devono essere utilizzati cavi o conduttori prefabbricati.
- Cablaggio di Classe II (se applicabile): Per ridurre il rischio di scosse elettriche, il cablaggio esterno collegato ai terminali con "Cablaggio di Classe II" richiede cablaggio di Classe II installato da una persona istruita oppure l'uso di conduttori o cavi preassemblati.
- Cablaggio di Classe I (se applicabile): Per ridurre il rischio di scosse elettriche, il cablaggio esterno collegato ai terminali con "Cablaggio di Classe I" richiede cablaggio di Classe I installato da una persona istruita oppure l'uso di conduttori o cavi preassemblati.
- Gamma di temperatura di esercizio: da 5° a 45° C (da 41° a 113° F).

DISCLAIMER LEGALE

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Conserva la prova d'acquisto, poiché potrebbe essere richiesta per il servizio di garanzia.

NL **Veiligheidsinstructies**

Lees deze veiligheidsinstructies zorgvuldig door en let goed op alle waarschuwingssymbolen die op het product worden weergegeven en op de gerelateerde veiligheidsinformatie in deze handleiding.



 Klemmen gemarkeerd met dit symbool voeren elektrische stroom van een zodanige sterkte dat er gevaar voor een elektrische schok bestaat. Gebruik uitsluitend hoogwaardige professionele luidsprekerkabels met vooraf gemonteerde ¼" TS- of draaivergrendelingsstekkers. Alle overige installaties of wijzigingen mogen uitsluitend door gekwalificeerd personeel worden uitgevoerd.

 Dit symbool, waar het ook verschijnt, waarschuwt voor de aanwezigheid van een niet-geïsoleerde gevaarlijke spanning binnenin de behuizing die voldoende kan zijn om een schokgevaar te veroorzaken.

 Dit symbool, waar het ook verschijnt, wijst op belangrijke bedienings- en onderhoudsinstructies. Lees de volledige handleiding.

 **Voorzichtig**
Om het risico op een elektrische schok te verminderen, verwijder niet de bovenste afdekking (of het achterpaneel). Er bevinden zich geen door de gebruiker te onderhouden onderdelen binnenin. Laat onderhoud over aan gekwalificeerd personeel.

 **Voorzichtig**
Om het risico op brand of elektrische schokken te verminderen, stel dit apparaat niet bloot aan regen of vocht. Het apparaat mag niet worden blootgesteld aan druppelend of spattend water en er mogen geen voorwerpen die met vloeistof zijn gevuld, zoals vazen, op het apparaat worden geplaatst.

 **Voorzichtig**
Deze onderhoudsinstructies zijn uitsluitend bedoeld voor gekwalificeerd servicepersoneel. Om het risico op een elektrische schok te verminderen, voer geen onderhoud uit anders dan beschreven in de bedieningsinstructies. Reparaties moeten worden uitgevoerd door gekwalificeerd personeel.

 **Waarschuwing**
Raadpleeg de informatie op de buitenkant van de onderbehuizing voor elektrische en veiligheidsinformatie voordat u het apparaat installeert of gebruikt.

 **Waarschuwing**
Om mogelijke gehoorschade te voorkomen, luister niet langdurig op hoge volumeneaus. Als richtlijn voor het instellen van het volume: controleer of u uw eigen stem nog normaal kunt horen terwijl u luistert met een hoofdtelefoon.

- Lees en bewaar deze instructies. Volg alle waarschuwingen op en volg alle instructies.
- Gebruik dit apparaat niet in de buurt van water (indien van toepassing). Reinig alleen met een droge doek.
- Blokkeer geen ventilatieopeningen (indien van toepassing). Installeer niet in een afgesloten ruimte. Installeer alleen volgens de instructies van de fabrikant.
- Installeer niet in de buurt van warmtebronnen zoals radiatoren, warmtekanalen, fornuizen of andere apparaten (inclusief versterkers) die warmte produceren. Plaats geen open vlambronnen, zoals brandende kaarsen, op het apparaat.
- Omzeil de veiligheidsfunctie van de gepolariseerde of geaarde stekker niet. Een gepolariseerde stekker heeft twee bladen, waarvan één breder is dan de andere (alleen voor de VS en Canada). Een geaarde stekker heeft twee bladen en een derde aardpen. Het brede blad of de derde pen is er voor uw veiligheid. Als de meegeleverde stekker niet in uw stopcontact past, raadpleeg dan een elektricien om het verouderde stopcontact te vervangen.
- (Indien van toepassing) Zorg ervoor dat het netsnoer niet wordt belopen of afgeklemd, met name bij stekkers, contactdozen en het punt waar het snoer het apparaat verlaat.
- Gebruik alleen accessoires en hulpstukken aanbevolen door de fabrikant.
-  Gebruik alleen karretjes, standaarden, statieven, beugels of tafels die gespecificeerd zijn door de fabrikant of verkocht worden samen met het apparaat (indien van toepassing). Wees voorzichtig bij het verplaatsen van de combinatie karretje/apparaat om letsel door kantelen te voorkomen.
- Trek de stekker uit het stopcontact tijdens onweer of als het apparaat lange tijd niet wordt gebruikt.
- Laat al het onderhoud uitvoeren door gekwalificeerd servicepersoneel. Onderhoud is vereist als het apparaat op enigerlei wijze is beschadigd, bijvoorbeeld als het netsnoer of de stekker beschadigd is, er vloeistof is gemorst of objecten in het apparaat zijn gevallen, het apparaat is blootgesteld aan regen of vocht, niet normaal functioneert of is gevallen.
- (Indien van toepassing) Apparaten met een beschermende aarding moeten worden aangesloten op een MAINS-stopcontact met een beschermende aardverbinding.
- (Indien van toepassing) Wanneer de MAINS-stekker of een apparaatkoppeling als ontkoppelingsmiddel wordt gebruikt, moet het ontkoppelingsmiddel gemakkelijk te bedienen blijven.
- Interne/Externe spanningsselectoren (indien van toepassing): Interne of externe spanningschakelaars mogen alleen worden ingesteld en voorzien van de juiste stekker of alternatieve spanning door een gekwalificeerde technicus. Probeer dit niet zelf te wijzigen.

- Klasse II-bekabeling (indien van toepassing): Om het risico op een elektrische schok te verminderen, vereist externe bekabeling verbonden met terminals met "Klasse II-bekabeling" installatie door een geïnstrueerde persoon of het gebruik van kant-en-klare kabels of snoeren.
- Klasse I-bekabeling (indien van toepassing): Om het risico op elektrische schokken te verminderen, vereist de externe bekabeling die is aangesloten op de aansluitklemmen met "Klasse I-bekabeling" Klasse I-bekabeling die is geïnstalleerd door een geïnstrueerd persoon of het gebruik van voorgemonteerde draden of kabels.
- Bedrijfstemperatuurbereik: 5° tot 45° C (41° tot 113° F).

WETTELIJKE ONTKENNING

De informatie in deze Snelstartgids en de bijbehorende handleiding wordt uitsluitend verstrekt als algemene richtlijn. Hoewel alle inspanningen zijn geleverd om de nauwkeurigheid en betrouwbaarheid van de inhoud ten tijde van publicatie te garanderen, geeft Music Tribe Global Brands Ltd. ("Music Tribe") geen verklaringen of garanties, expliciet of impliciet, met betrekking tot de volledigheid, nauwkeurigheid of geschiktheid van de hierin opgenomen informatie, beschrijvingen, illustraties of technische specificaties.

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Bewaar uw aankoopbewijs, aangezien dit nodig kan zijn voor garantie service.

PL **Instrukcje bezpieczeństwa**

Proszę uważnie przeczytać te instrukcje bezpieczeństwa i zwrócić szczególną uwagę na wszystkie symbole ostrzegawcze wyświetlane na produkcie oraz powiązane informacje o bezpieczeństwie zawarte w tej instrukcji.



 Terminale oznaczone tym symbolem przewodzą prąd elektryczny o natężeniu wystarczającym do spowodowania ryzyka porażenia prądem elektrycznym. Używaj wyłącznie wysokiej jakości profesjonalnych kabli głośnikowych z fabrycznie zamontowanymi wtykami ¼" TS lub typu twist-lock. Wszelkie inne instalacje lub modyfikacje powinny być wykonywane wyłącznie przez wykwalifikowany personel.

 Ten symbol, gdziekolwiek się pojawi, ostrzega o obecności niez izolowanego niebezpiecznego napięcia wewnątrz obudowy, które może być wystarczające do spowodowania ryzyka porażenia prądem.

 Ten symbol, gdziekolwiek się pojawi, wskazuje na ważne instrukcje dotyczące obsługi i konserwacji. Prosimy o przeczytanie całego podręcznika.

 **Ostrożność**
Aby zmniejszyć ryzyko porażenia prądem elektrycznym, nie zdejmuj górnej pokryw (ani tylnej sekcji). Wewnątrz nie ma części serwisowanych przez użytkownika. Naprawy należy powierzyć wykwalifikowanemu personelowi.

 **Ostrożność**
Aby zmniejszyć ryzyko pożaru lub porażenia prądem elektrycznym, nie narażaj urządzenia na działanie deszczu ani wilgoci.

Urządzenie nie może być narażone na kapanie lub rozpryski cieczy, a na urządzeniu nie należy umieszczać żadnych przedmiotów wypełnionych cieczą, takich jak wazony.

 **Ostrożność**
Te instrukcje serwisowe są przeznaczone wyłącznie dla wykwalifikowanego personelu serwisowego. Aby zmniejszyć ryzyko porażenia prądem elektrycznym, nie wykonuj żadnych czynności serwisowych innych niż te opisane w instrukcji obsługi. Naprawy muszą być wykonywane przez wykwalifikowany personel.

 **Ostrzeżenie**
Przed instalacją lub użytkowaniem urządzenia należy zapoznać się z informacjami elektrycznymi i dotyczącymi bezpieczeństwa umieszczonymi na zewnętrznej stronie dolnej obudowy.

 **Ostrzeżenie**
Aby zapobiec możliwym uszkodzeniom słuchu, nie słuchaj przy wysokim poziomie głośności przez dłuższy czas. Jako wskazówkę przy ustawianiu poziomu głośności upewnij się, że nadal możesz usłyszeć własny głos, mówiąc normalnie podczas korzystania ze słuchawek.

- Przeczytaj i zachowaj te instrukcje. Przestrzegaj wszystkich ostrzeżeń i stosuj się do wszystkich instrukcji.
- Nie używaj tego urządzenia w pobliżu wody (jeśli dotyczy). Czyść tylko suchą ściereczką.
- Nie blokuj otworów wentylacyjnych (jeśli dotyczy). Nie instaluj w zamkniętej przestrzeni. Instaluj zgodnie z instrukcjami producenta.
- Nie instaluj w pobliżu źródeł ciepła, takich jak grzejniki, rejestry ciepła, piece lub inne urządzenia (w tym wzmacniacze) wytwarzające ciepło. Nie umieszczaj źródeł otwartego ognia, takich jak zapalone świece, na urządzeniu.
- Nie usuwaj zabezpieczeń wtyczki spolaryzowanej lub z uziemieniem. Wtyczka spolaryzowana ma dwa bolce, z których jeden jest szerszy (dotyczy tylko USA i Kanady). Wtyczka uziemiająca ma dwa bolce i trzeci bolec do uziemienia. Szerszy bolec lub trzeci bolec zapewnia bezpieczeństwo. Jeśli dostarczona wtyczka nie pasuje do gniazdka, skonsultuj się z elektrykiem w celu wymiany gniazdka.
- (Jeśli dotyczy) Chroń przewód zasilający przed nadeptaniem lub przyciśnięciem, szczególnie w okolicach wtyczek, gniazdek i punktu wyjścia z urządzenia.
- Używaj wyłącznie akcesoriów i wyposażenia zalecanego przez producenta.
-  Używaj wyłącznie wózków, stojaków, statywów, uchwyty lub stołów określonych przez producenta lub sprzedawanych z urządzeniem (jeśli dotyczy). Zachowaj ostrożność podczas przemieszczania zestawu wózek/ urządzenie, aby uniknąć obrażeń spowodowanych przewróceniem się.
- Odłącz urządzenie od zasilania podczas burz lub jeśli nie będzie używane przez dłuższy czas.
- Powierz wszelkie naprawy wykwalifikowanemu personelowi serwisowemu. Naprawa jest konieczna, gdy urządzenie zostało uszkodzone w jakikolwiek sposób, np. jeśli uszkodzony został przewód zasilający lub wtyczka, ciecz została rozlana na urządzenie lub do niego wpadła, urządzenie było wystawione na działanie deszczu lub wilgoci, nie działa prawidłowo lub upadło.
- (Jeśli dotyczy) Urządzenie z ochronnym zaciskiem uziemiającym musi być podłączone do gniazda sieciowego (MAINS) z połączeniem ochronnym.
- (Jeśli dotyczy) Gdy wtyczka sieciowa lub sprzętowe złącze jest używane jako urządzenie odłączające, urządzenie odłączające musi być łatwo dostępne.
- Wewnętrzne/zewnętrzne selektory napięcia (jeśli dotyczy): Wewnętrzne lub zewnętrzne przełączniki napięcia powinny być resetowane i wyposażone w odpowiednią wtyczkę lub alternatywne napięcie tylko przez wykwalifikowanego technika. Nie próbuj tego zmieniać samodzielnie.
- Okablowanie klasy II (jeśli dotyczy): Aby zmniejszyć ryzyko porażenia prądem, okablowanie zewnętrzne podłączane do zacisków oznaczonych "Okablowanie klasy II" musi być instalowane przez osobę przeszkoloną lub przy

- użyciu gotowych przewodów lub kabli.
- Okablowanie klasy I (jeśli dotyczy): Aby zmniejszyć ryzyko porażenia prądem, zewnętrzne okablowanie podłączone do zacisków oznaczonych jako „Okablowanie klasy I” wymaga okablowania klasy I zainstalowanego przez osobę przeszkoloną lub użycia gotowych przewodów lub kabli.
- Zakres temperatury pracy: od 5° do 45° C (41° do 113° F).

ZASTRZEŻENIA PRAWNE

Informacje zawarte w niniejszym Podręczniku Szybkiego Startu i towarzyszącej instrukcji obsługi są dostarczane wyłącznie w celach ogólnych. Pomimo dołożenia wszelkich starań w celu zapewnienia dokładności i wiarygodności treści w momencie publikacji, Music Tribe Global Brands Ltd. („Music Tribe”) nie składa żadnych oświadczeń ani gwarancji, wyraźnych ani dorozumianych, co do kompletności, dokładności lub przydatności zawartych tutaj informacji, opisów, ilustracji czy specyfikacji technicznych.

Music Tribe nie ponosi odpowiedzialności za jakiegokolwiek bezpośrednie, pośrednie, przypadkowe lub wynikowe straty lub szkody wynikające z polegania na informacjach zawartych w tym dokumencie, w tym, ale nie wyłącznie, za utratę danych, dochodów, zysków lub możliwości biznesowych. Korzystanie z produktu pozostaje wyłączną odpowiedzialnością użytkownika.

Funkcje produktu, projekt, specyfikacje i wizualizacje mogą zostać zaktualizowane lub zmienione bez wcześniejszego powiadomienia w celu ciągłego doskonalenia produktu.

Wszystkie znaki towarowe stron trzecich wymienione w niniejszym przewodniku należą do ich odpowiednich właścicieli. Midas, Klark Teknik, Lab Gruppen, Lake, Tannoy, Turbosound, TC Electronic, TC Helicon, Behringer, Bugera, Aston Microphones i Coolaudio to znaki towarowe lub zastrzeżone znaki towarowe należące do Music Tribe Global Brands Ltd.

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OGRANICZONA GWARANCJA

Aby zapoznać się z warunkami, ograniczeniami i zakresem gwarancji na Twój produkt, w tym zakresem ochrony, wyłączeniami i czasem trwania ograniczonej gwarancji, zapoznaj się z pełną Polityką Gwarancji Ograniczonej Music Tribe, dostępną online na: community.musictribe.com/support

Zachowaj dowód zakupu, ponieważ może być wymagany do skorzystania z usług gwarancyjnych.

PT Instruções de Segurança

Por favor, leia estas instruções de segurança com atenção e preste especial atenção a todos os símbolos de advertência exibidos no produto e às informações de segurança relacionadas contidas neste manual.



 Os terminais marcados com este símbolo transportam corrente elétrica de magnitude suficiente para representar risco de choque elétrico. Utilize apenas cabos de alto-falante profissionais de alta qualidade com conectores ¼" TS ou de travamento por torção pré-instalados. Todas as outras instalações ou modificações devem ser realizadas apenas por pessoal qualificado.

 Este símbolo, onde quer que apareça, alerta para a presença de tensão perigosa não isolada dentro do invólucro que pode ser suficiente para representar risco de choque elétrico.

 Este símbolo, onde quer que apareça, alerta para instruções importantes de operação e manutenção. Por favor, leia o manual completo.

 **Precaução**
Para reduzir o risco de choque elétrico, não remova a tampa superior (ou a seção traseira). Não há peças que possam ser reparadas pelo usuário no interior. Encaminhe o serviço de manutenção para pessoal qualificado.

 **Precaução**
Para reduzir o risco de incêndio ou choque elétrico, não exponha este aparelho à chuva ou à umidade. O aparelho não deve ser exposto a respingos ou gotejamentos de líquidos e nenhum objeto cheio de líquido, como vasos, deve ser colocado sobre o aparelho.

 **Precaução**
Estas instruções de serviço destinam-se apenas ao pessoal de manutenção qualificado. Para reduzir o risco de choque elétrico, não realize nenhum serviço além dos procedimentos contidos nas instruções de operação. Reparos devem ser realizados por pessoal qualificado.

 **Aviso**
Consulte as informações no exterior da parte inferior do invólucro para obter informações elétricas e de segurança antes de instalar ou operar o dispositivo.

 **Aviso**
Para evitar possíveis danos auditivos, não escute em níveis de volume elevados por períodos prolongados. Como orientação para ajustar o volume, verifique se você ainda consegue ouvir sua própria voz ao falar normalmente enquanto utiliza fones de ouvido.

1. Leia e mantenha estas instruções. Atenda a todos os avisos e siga todas as instruções.
2. Não utilize este aparelho próximo à água (se aplicável). Limpe apenas com pano seco.
3. Não bloqueie as aberturas de ventilação (se aplicável). Não instale em espaços confinados. Instale apenas conforme as instruções do fabricante.
4. Não instale perto de fontes de calor, como radiadores, registros de calor, fogões ou outros aparelhos (incluindo amplificadores) que produzam calor. Não coloque fontes de chama aberta, como velas acesas, sobre o aparelho.
5. Não anule o propósito de segurança do plugue polarizado ou com aterramento. Um plugue polarizado possui duas lâminas, sendo uma mais larga que a outra (somente para EUA e Canadá). Um plugue com aterramento possui duas lâminas e um terceiro pino para aterramento. A lâmina larga ou o terceiro pino são fornecidos para sua segurança. Se o plugue fornecido não se encaixar na sua tomada, consulte um eletricista para substituir a tomada antiga.
6. (Se aplicável) Proteja o cabo de alimentação para que não seja pisado ou pressionado, especialmente em plugues, tomadas e no ponto de saída do aparelho.
7. Utilize apenas acessórios e dispositivos recomendados pelo fabricante.
8.  Utilize apenas carrinhos, suportes, tripés, suportes de parede ou mesas especificados pelo fabricante ou vendidos com o aparelho (se aplicável). Ao utilizar um carrinho, tenha cuidado ao mover a combinação carrinho/aparelho para evitar tombamentos e ferimentos.
9. Desconecte o aparelho durante tempestades ou se não for utilizá-lo por um longo período.
10. Encaminhe toda manutenção para pessoal qualificado. A manutenção é necessária quando o aparelho for danificado de qualquer forma, como quando o cabo de alimentação ou plugue estiver danificado, líquido for derramado ou objetos caírem sobre o aparelho, o aparelho for exposto à chuva ou à umidade, não funcionar normalmente ou tiver sofrido quedas.
11. (Se aplicável) O aparelho com terminal de aterramento de proteção deve ser conectado a uma tomada de rede (MAINS) com conexão de aterramento de proteção.
12. (Se aplicável) Quando o plugue de rede ou um acoplador de aparelho for usado como dispositivo de desconexão, este deve permanecer facilmente acessível.
13. Seletores de voltagem internos/externos (se aplicável): Os seletores de voltagem internos ou externos, se existirem, devem ser reajustados e equipados com o plugue apropriado ou voltagem alternativa apenas por técnicos qualificados. Não tente alterar isso por conta própria.

14. Fiação de Classe II (se aplicável): Para reduzir o risco de choque elétrico, a fiação externa conectada aos terminais indicados como "Classe II" deve ser instalada por pessoa instruída ou utilizar cabos ou fios prontos para uso.
15. Fiação Classe I (se aplicável): Para reduzir o risco de choque elétrico, a fiação externa conectada aos terminais com "Fiação Classe I" requer fiação Classe I instalada por uma pessoa instruída ou o uso de cabos ou condutores pré-fabricados.
16. Faixa de temperatura de operação de 5° a 45° C (41° a 113° F).

LEGAL RENUNCIANTE

As informações contidas neste Guia de Início Rápido e no manual correspondente são fornecidas apenas para orientação geral. Embora todos os esforços tenham sido feitos para garantir a precisão e confiabilidade do conteúdo no momento da publicação, a Music Tribe Global Brands Ltd. ("Music Tribe") não faz declarações ou garantias, expressas ou implícitas, quanto à integridade, precisão ou adequação das informações, descrições, ilustrações ou especificações técnicas aqui contidas.

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As características do produto, design, especificações e representações visuais podem ser atualizadas ou modificadas sem aviso prévio, visando a melhoria contínua do produto.

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GARANTIA LIMITADA

Para obter informações sobre os termos, condições e limitações aplicáveis ao seu produto, incluindo cobertura, exclusões e duração da garantia limitada, consulte a Política de Garantia Limitada da Music Tribe, disponível online em: community.musictribe.com/support
Guarde o seu comprovante de compra, pois pode ser necessário para o serviço de garantia.

SV Säkerhetsinstruktioner

Vänligen läs dessa säkerhetsinstruktioner noggrant och var särskilt uppmärksam på alla varningssymboler som visas på produkten samt den relaterade säkerhetsinformationen i denna manual.



 Terminaler märkta med denna symbol leder elektrisk ström av tillräcklig styrka för att innebära risk för elektrisk stöt. Använd endast högkvalitativa professionella högtalarkablar med förmonterade ¼" TS- eller vridlåsanslutningar. Alla andra installationer eller ändringar ska endast utföras av kvalificerad personal.

 Denna symbol, var den än visas, varnar för förekomst av oisolerad farlig spänning inne i höljet som kan vara tillräckligt för att utgöra en risk för elektrisk stöt.

 Denna symbol, var den än visas, påminner om viktiga instruktioner för drift och underhåll. Läs hela manualen.

 **Försiktighet**
För att minska risken för elektrisk stöt, ta inte bort det övre locket (eller bakpanelen). Det finns inga delar inuti som användaren själv kan underhålla. Överlåt service till kvalificerad personal.

 **Försiktighet**
För att minska risken för brand eller elektrisk stöt, utsätt inte apparaten för regn eller fukt. Apparaten får inte utsättas för droppande eller stänkande vätskor och inga föremål fylla med vätska, såsom vaser, får placeras på apparaten.

 **Försiktighet**
Dessa serviceinstruktioner är endast avsedda för kvalificerad servicepersonal. För att minska risken för elektrisk stöt, utför inte någon annan service än den som beskrivs i driftsinstruktionerna. Reparationer måste utföras av kvalificerad personal.

 **Varning**
Se informationen på utsidan av den nedre delen av höljet för elektrisk och säkerhetsrelaterad information innan du installerar eller använder enheten.

 **Varning**
För att undvika eventuell hörselskada, lyssna inte på hög volym under längre perioder. Som en riktlinje för volyminställning, kontrollera att du fortfarande kan höra din egen röst medan du pratar normalt med hörlurarna på.

1. Läs och behåll dessa instruktioner. Följ alla varningar och instruktioner.
2. Använd inte denna apparat nära vatten (om tillämpligt). Rengör endast med en torr trasa.

3. Blockera inte ventilationsöppningar (om tillämpligt). Installera inte i ett trångt utrymme. Installera endast enligt tillverkarens instruktioner.
4. Installera inte nära värmekällor såsom element, värmefläktar, spisar eller andra apparater (inklusive förstärkare) som avger värme. Placera inga öppna lågor, såsom tända ljus, på apparaten.
5. Försök inte kringgå säkerhetsfunktionen i en polariserad eller jordad kontakt. En polariserad kontakt har två stift, varav ett är bredare än det andra (gäller endast USA och Kanada). En jordad kontakt har två stift och en tredje jordningsstift. Det breda stiftet eller det tredje stiftet är där för din säkerhet. Om den medföljande kontakten inte passar i ditt uttag, kontakta en elektriker för att byta ut uttaget.
6. (Om tillämpligt) Skydda nätkabeln från att trampas på eller klämmas, särskilt vid kontakter, eluttag och utgångspunkten från apparaten.
7. Använd endast tillbehör och utrustning som rekommenderas av tillverkaren.
8.  Använd endast vagnar, ställ, stativ, fästen eller bord specificerade av tillverkaren eller sålda tillsammans med apparaten (om tillämpligt). Var försiktig när du flyttar vagn/apparat-kombinationen för att undvika skador från vältning.
9. Koppla ur apparaten vid åskväder eller om den inte ska användas under en längre tid.
10. Överlåt all service till kvalificerad servicepersonal. Service krävs när apparaten har skadats på något sätt, till exempel om nätkabeln eller kontakten är skadad, vätska har spillts eller föremål har fallit in i apparaten, apparaten har utsatts för regn eller fukt, inte fungerar normalt, eller har tappats.
11. (Om tillämpligt) Apparater med skyddsjordningsterminal måste anslutas till ett eluttag med skyddsjordning.
12. (Om tillämpligt) Om nätkontakten eller en apparatkoppling används som fränkopplingsenhet, ska fränkopplingsenheten vara lätt att använda.
13. Interna/externa spänningsväljare (om tillämpligt): Interna eller externa spänningsväljare ska endast återställas och utrustas med rätt kontakt eller alternativ spänning av kvalificerad tekniker. Försök inte ändra detta själv.
14. Klass II-ledningsdragning (om tillämpligt): För att minska risken för elektrisk stöt, måste extern ledningsdragning som ansluts till terminaler märkta "Klass II" antingen installeras av en kvalificerad person eller använda färdigmonterade ledningar eller kablar.
15. Klass I-kablage (om tillämpligt): För att minska risken för elektriska stötar kräver den externa kablage som ansluts till terminaler märkta med "Klass I-kablage" Klass I-kablage installerad av en instruerad person eller användning av färdiga ledningar eller kablar
16. Driftstemperaturområde: 5° till 45° C (41° till 113° F).

FRISKRIVNINGSKLAUSUL

Informationen i denna Snabbstartsguide och den medföljande manualen tillhandahålls endast som allmän vägledning. Trots att alla ansträngningar har gjorts för att säkerställa innehållets noggrannhet och tillförlitlighet vid publiceringstillfället, gör Music Tribe Global Brands Ltd. ("Music Tribe") inga utfästelser eller garantier, vare sig uttryckliga eller underförstådda, angående fullständigheten, riktigheten eller lämpligheten av den information, beskrivningar, illustrationer eller tekniska specifikationer som finns här.

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Produktens egenskaper, design, specifikationer och visuella representationer kan uppdateras eller ändras utan föregående meddelande i syfte att ständigt förbättra produkten.

Alla tredjepartsvarumärken som nämns i denna guide tillhör sina respektive ägare. Midas, Klark Teknik, Lab Gruppen, Lake, Tannoy, Turbosound, TC Electronic, TC Helicon, Behringer, Bugera, Aston Microphones och Coolaudio är varumärken eller registrerade varumärken som tillhör Music Tribe Global Brands Ltd.

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BEGRÄNSAD GARANTI

För de villkor, begränsningar och omfattning som gäller för din produkt, inklusive täckning, undantag och garantiperiodens längd, hänvisas till Music Tribes fullständiga garanti policy, tillgänglig online på: community.musictribe.com/support

Spara ditt inköpsbevis, eftersom det kan behövas för garantiservice.

JP 安全上のご注意

本書の安全上の注意をよくお読みいただき、製品に表示されている警告シンボルおよび関連する安全情報に十分ご注意ください。



 このシンボルが表示されている端子には、感電の危険を引き起こすのに十分な電流が流れています。事前に取り付けられた 1/4" TS またはツイストロック式プラグを備えた高品質なプロフェッショナルスピーカーケーブルのみを使用してください。その他の設置や改造は、必ず資格を有する技術者によって行ってください。

 このシンボルが表示されている場合、筐体内部に絶縁されていない危険な電圧が存在しており、感電のリスクがあることを警告しています。

 このシンボルが表示されている場合、重要な操作およびメンテナンスの指示があることを示しています。必ずマニュアル全文をお読みください。

 **注意**
感電のリスクを減らすために、トップカバー（またはリアパネル）を取り外さないでください。内部にはユーザーがサービスできる部品はありません。サービスは資格を有する技術者に依頼してください。

 **注意**
火災または感電のリスクを減らすために、本機器を雨や湿気にさらさないでください。液体の滴下や飛沫がかからないようにし、花瓶など液体を含む物体を本機器の上に置かないでください。

 **注意**
これらのサービスに関する指示は、資格を有するサービス担当者のみが使用することを目的としています。感電のリスクを減らすため、取扱説明書に記載されている操作以外のサービスは行わないでください。修理は資格を有するサービス担当者が行ってください。

 **警告**
デバイスの設置または操作を行う前に、筐体下部外側に表示されている電気および安全情報をご参照ください。

 **警告**
聴覚損傷を防ぐために、高音量が長時間聞き続けられないでく

ださい。ボリューム設定の目安として、ヘッドホンを着用中でも通常の声で自分の声が聞こえることを確認してください。

1. 本書をよく読み、保管してください。すべての警告に従い、指示を守ってください。
2. 本機器を水の近くで使用しないでください（該当する場合）。乾いた布のみで掃除してください。
3. 通気口をふさがないでください（該当する場合）。密閉された空間には設置しないでください。必ずメーカーの指示に従って設置してください。
4. ラジエーター、ヒーター、ストーブ、またはその他の熱を発生する機器（アンプを含む）の近くに設置しないでください。点灯中のろうそくなど、裸火を機器の上に置かないでください。
5. 極性プラグまたは接地型プラグの安全機能を無効にしないでください。極性プラグは一方の刃がもう一方より広くなっています（米国およびカナダのみ）。接地型プラグは二つの刃と第三の接地ピンを備えています。広い刃または第三ピンは安全のためのものです。付属のプラグがコンセントに合わない場合は、電気技師に依頼してコンセントを交換してください。
6. （該当する場合）電源コードを踏んだり挟んだりしないように特に注意し、プラグ、コンセント、および機器からの出入口付近では特に注意してください。
7. メーカーが推奨する付属品やアクセサリのみを使用してください。
8.  メーカーが指定した、または本機器と一緒に販売されたキャスター、スタンド、三脚、ブラケットまたはテーブルのみを使用してください（該当する場合）。キャスターを使用する場合は、機器を移動する際に転倒による怪我を防ぐため注意してください。

9. 雷雨時や長期間使用しない場合は、電源プラグを抜いてください。
10. 全ての修理は資格を有するサービス担当者に依頼してください。以下の場合には修理が必要です: 電源コードまたはプラグが損傷している、液体がこぼれた、物体が機器に落下した、機器が雨や湿気にさらされた、正常に動作しない、または落下した場合。
11. （該当する場合）保護接地端子を備えた機器は、保護接地接続を備えた主電源ソケットに接続する必要があります。
12. （該当する場合）主電源プラグまたは機器カプラーが切断装置として使用される場合、その装置は容易に操作可能な状態にしておく必要があります。
13. 内部/外部電圧セレクター（該当する場合）: 内部または外部の電圧切り替えスイッチがある場合は、資格を有する技術者のみが正しいプラグまたは電圧で

- 設定し直してください。自分で変更しようとししないでください。
14. クラスII配線（該当する場合）: 感電のリスクを減らすため、「クラスII配線」とマークされた端子に接続する外部配線は、資格を有する者によって取り付けるか、または既製のリード線またはコードを使用してください。
 15. クラスI配線（該当する場合）: 感電のリスクを低減するため、「クラスI配線」と表示された端子に接続される外部配線は、指示を受けた者によって設置されたクラスI配線、または既製のリード線やコードの使用が必要です。
 16. 使用温度範囲: 5°~45° C (41°~113° F)。

法的放棄

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7. 请只使用厂家指定的附属设备和配件。

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EN POLYEIGHT HOOK-UP

EN Step 1: Hook-Up

ES Paso 1: Conexión

FR Etape 1 : Connexions

DE Schritt 1:
Verkabelung

FR Passo 1: Conexões

IT Passo 1: Allacciare

NL Stap 1: Aansluiten

SE Steg 1: Anslutning

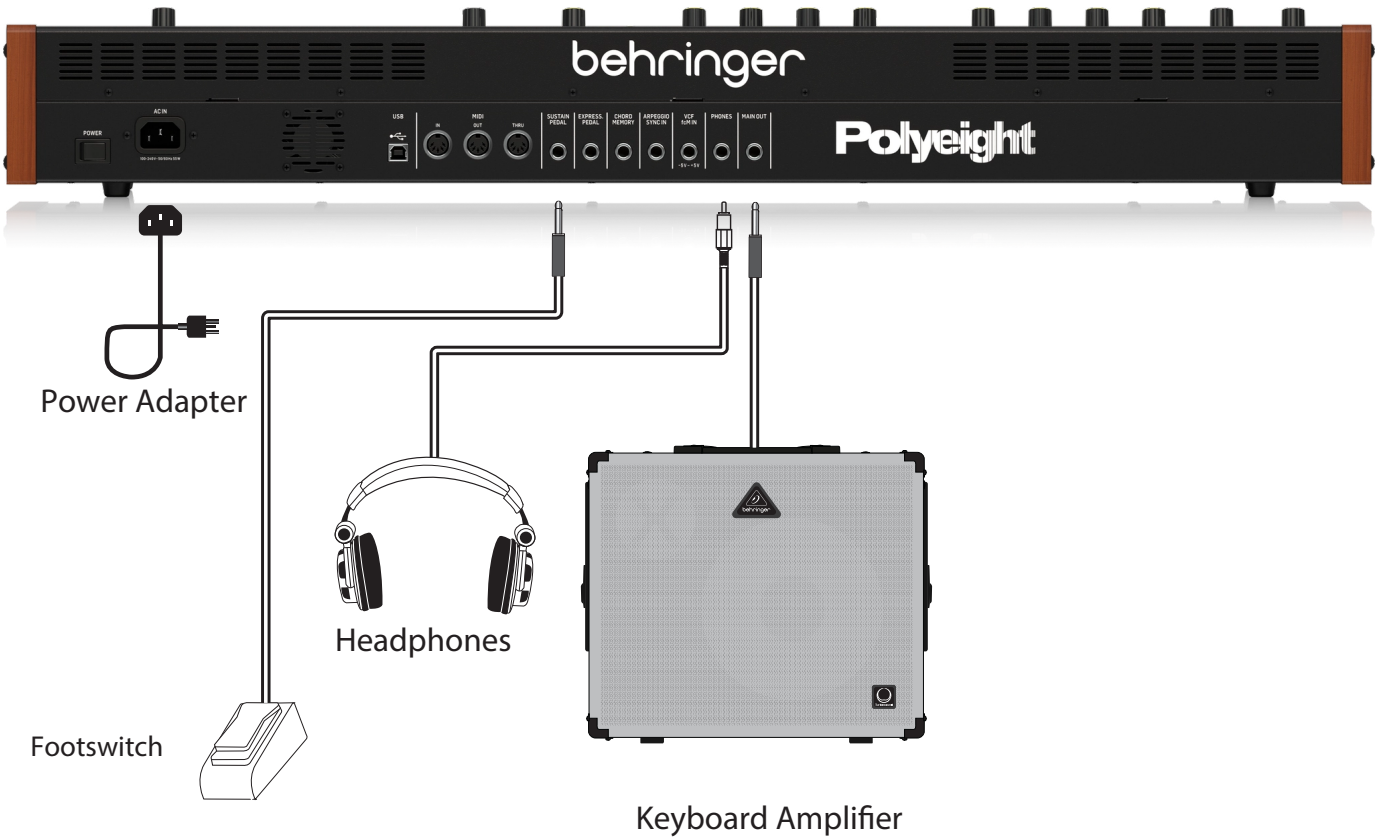
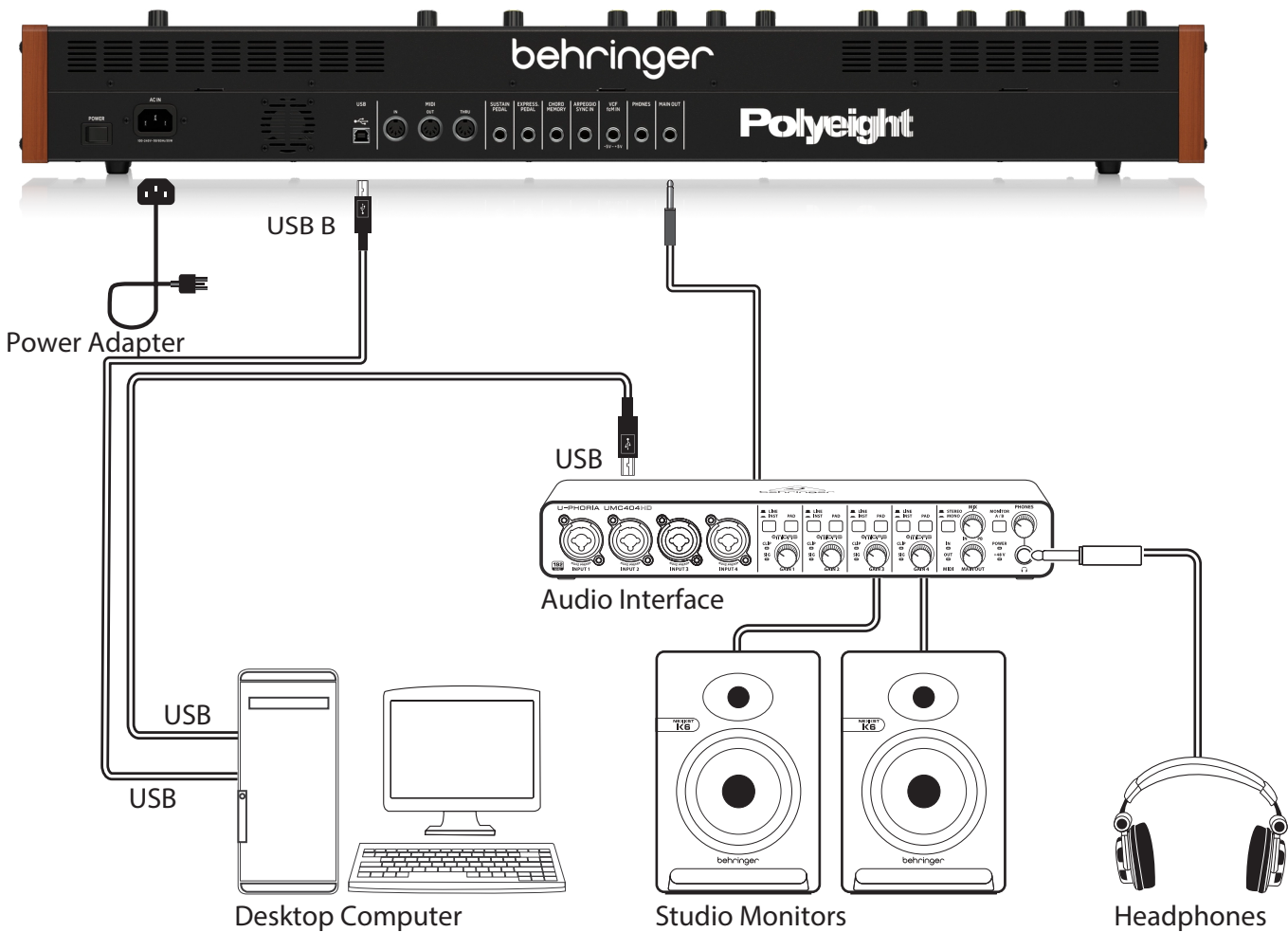
PL Krok 1: Podłączeni

JP ステップ1: フックアップ

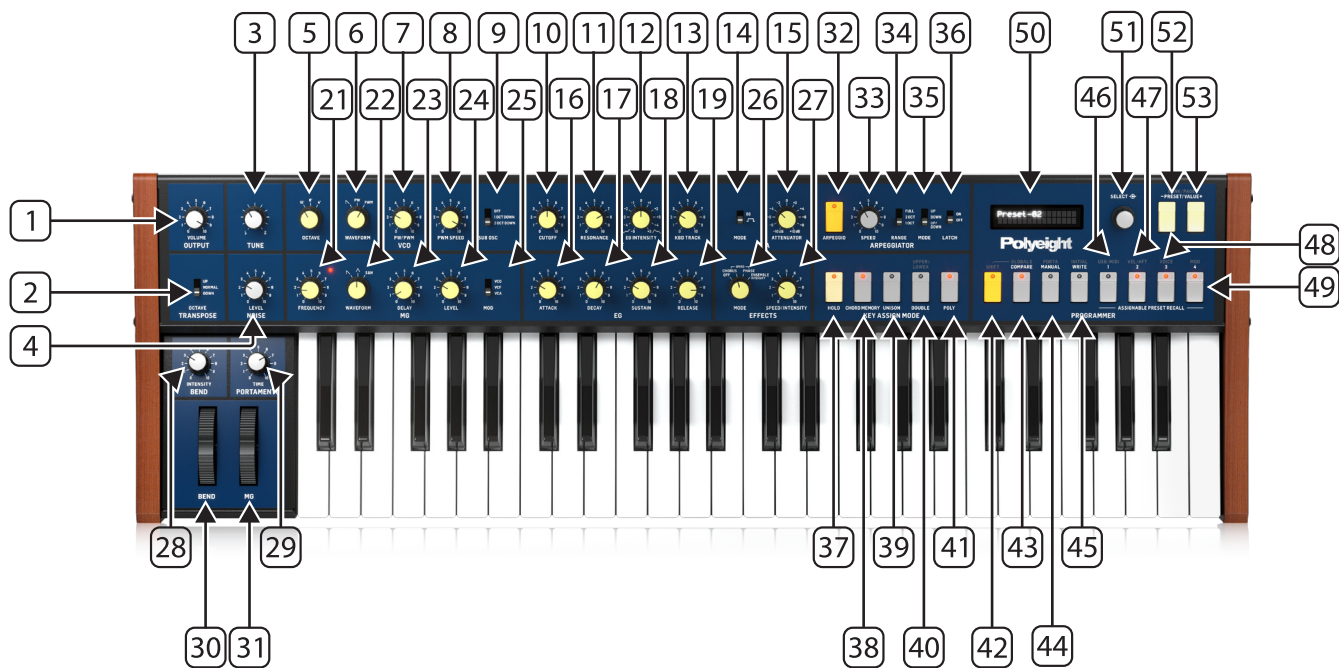
CN 第一步: 连接应用

Studio System
Sistema para estudio de grabación
Système de studio
Studio-System
Sistema de Estudio
Studio System
Studio-systeem
Studio-systemet
Studio System
スタジオシステム
制片厂体制

Band/ Practice System
Sistema de ensayo de banda
Band-Practicesystem
Système de répétition de groupe
Sistema per le prove della band
Bandrepetitiesysteem
System do prób zespołu
Sistema de ensaio de banda
System für bandrepetition
バンド練習用システム
乐队排练系统



TOP PANEL



1. **OUTPUT VOLUME** – this knob controls the master output volume of the device.
2. **TRANSCOPE OCTAVE** – this switch transposes the keyboard one octave higher or one octave lower:
 - UP – the keyboard range is one octave higher than the normal keyboard (C4–C8).
 - Normal – the keyboard range is C3–C7.
 - DOWN – the keyboard range is one octave lower than the normal keyboard range (C2–C6).
3. **TUNE** – this knob adjusts the pitch over a range of ± 50 cents ($\frac{1}{2}$ semitone). Use this knob when you want to tune the Polyeight to match other instruments.
4. **NOISE LEVEL** – this knob adjusts the level of noise present in the signal chain. This setting is stored in the preset.

VCO CONTROLS

The VCO is the main signal source of the Polyeight. These controls change the pitch range and tonality of the generated signal.

5. **OCTAVE** – this knob sets the octave range of the VCO, which is preset–saveable:
 - 16' – one octave below the center 8' setting
 - 8' – middle A on the keyboard produces A440 (with Tune control centered)
 - 4' – one octave above the 8' setting
6. **WAVEFORM** – this knob selects the VCO output waveform:
 - Sawtooth – rich in both even and odd harmonic overtones. The VCF can be used to shape the tone over a wide range by selectively emphasizing different harmonics of the waveform. Sawtooth waveforms are good for bass, strings, brass and many other sounds.
 - Pulse – the width, or "duty cycle" of the VCO waveform may be varied manually using the PW/PWM control (PWM SPEED has no effect in this position). At 0, the VCO waveform outputs a square wave (50% duty cycle),

which results in the typical hollow sound like a clarinet (only odd harmonics are present). Advancing the PW/PWM control reduces the duty cycle and the width of the VCO waveform. This produces a dramatic shift in the tonal quality towards a brighter and nasally sound like an oboe or harpsicord. At 9 or above, the pulse width becomes so narrow that it collapses, producing no sound, and in effect shutting off the VCOs. This is useful when the VCFs are used as sound sources (self–oscillation).

♦ The SUB OSC (9) will not be affected by a zero pulse width setting.

- Pulse Width Modulated (PWM) – the width of the VCO pulse waveform is continuously changed, or modulated, by a variable speed oscillator. This creates a chorusing type of effect like multiple detuned oscillators, due to a constantly shifting harmonic balance. The PW/PWM (7) knob in the PWM setting determines the depth of the effect. At 0, there is no modulation (outputting a constant square wave). Between 9 and 10, the modulation depth is so great that the VCO shuts off part of the time (because the pulse/width becomes zero for part of each cycle). The speed of the effect is controlled by the PWM SPEED (8) knob. The PWM oscillator is separate from the MG oscillator used for vibrato, thus allowing vibrato and PWM effects to occur simultaneously.
- 7. **PW/PWM** – this knob controls the pulse width of the PW waveform and the modulation depth of the PWM waveform.
- 8. **PWM SPEED** – this knob controls the speed of the modulation effect in the PWM waveform (see above). It has no effect on the PW waveform.
- 9. **SUB OSC** – this switch sets the function and range of the sub oscillator:
 - OFF – the sub oscillator is deactivated
 - 1 OCT DOWN – the sub oscillator operates one octave below the main oscillator
 - 2 OCT DOWN – the sub oscillator operates two octaves below the main oscillator

VOLTAGE CONTROLLED FILTER

The VCF is perhaps the single most expressive module in the Polyeight. Its basic function is to modify the tonal quality (timbre) of the different waveforms

produced by the VCOs by eliminating certain harmonics (overtones) and emphasizing other ones. Understanding how to use it is a key part of getting the most from your instrument.

There are 8 VCFs in the Polyeight, one per voice. Each VCF is a 4 pole, 24dB/octave low pass filter with voltage controlled cutoff frequency, variable resonance, positive and negative EG modulation (enveloping), and variable keyboard tracking. Each of these terms will be explained in detail below.

CUTOFF

The cutoff frequency is the point in the audio spectrum where the filter starts to affect sounds passing through it. The Polyeight filters are termed Low Pass, which means that they allow frequencies that are lower than the cutoff point to pass unfiltered. Any frequencies above the cutoff frequency of the filter are attenuated. The higher a frequency is above the cutoff point, the more it gets attenuated. This attenuation can occur at different rates. The filters have a 24 dB/octave roll-off, which means that a harmonic one octave above the cutoff point is around 16 times quieter coming out of the filter than going in. At two octaves above the cutoff point, a harmonic is around 250 times quieter. This sharp roll-off helps to produce realistic imitations of most instruments, a wide variety of punchy synth voicings, and many special effects.

Since the cutoff point can be varied throughout the audio spectrum, you can choose to remove no harmonics, upper harmonics only, everything but the fundamental, or anything in between. It can also remove everything, silencing the instrument, if the cutoff point goes far below the fundamental pitch.

There are five ways to vary the cutoff frequency of the 8 VCFs: manually, via the VCF CUTOFF (10) control; automatically via each voice's Envelope Generator, through the KBD TRACK (13) function; the Modulation Generator, or via any external device plugged into the rear panel VCF fC IN (64) jack. The actual cutoff frequency of the VCF will be proportional to the sum of the voltages (control signals) from these five sources at any given moment.

RESONANCE

The second way that a filter modifies timbre is by adding resonance, (also known as "Q", "Peak", or "Emphasis") at the cutoff point. Resonance is useful for results in much more dramatic changes to the timbre of the sound. Medium resonance produces the characteristic "wah–wah" sound when the filter cutoff is swept by the EG, foot pedal, or manually. At high resonance, the filter will self-oscillate, producing a pure sine wave at the cutoff frequency. This can be used as a second sound source along with the VCO, or by itself if the VCO is shut off.

10. **CUTOFF** – this knob determines the initial cutoff frequency of the filter. At 0, the cutoff is so low that no sound will be passed. As you turn the control clockwise (towards higher numbers), the cutoff frequency increases and the note will begin to sound, first with a dark, muted timbre and then with a brighter one. At 10, the cutoff point is above audible harmonics and the sound will be bright. The knob position is stored in the preset.
11. **RESONANCE** – this knob controls the resonance level, from non–resonant at position zero (fully counterclockwise), to the maximum resonance setting at 10 (fully clockwise). Self–oscillation starts at around position 8 of the knob. The knob position is stored in the preset.
12. **EG INTENSITY** – this knob controls how much the cutoff frequency is varied by the EG. It also determines whether the filter is swept up (positive modulation) or down (negative modulation) during the attack phase of the EG. Maximum sweep depth is plus or minus 10 octaves. The knob position is stored in the preset.
13. **KBD TRACK** – this knob controls the degree to which the filter tracks the keyboard, over a range of approximately 0% to 150%. Keyboard tracking is an extremely useful function in which the VCF is made to follow the note as it's played on the keyboard. This ensures that the tonal quality (timbre) of a given sound remains consistent over full range of the keyboard. The knob

position is stored in the preset.

VOLTAGE CONTROLLED AMPLIFIER

The voltage-controlled amplifier (VCA) controls the amplitude (volume) of the sound. It is used to produce volume contours (volume changes over time) like the timbre or tone color contours produced by the VCF. There are 9 VCAs in the Polyeight, one per voice plus one overall VCA for the Output Volume.

14. **MODE** – this switch toggles between the two available VCA modes:

- EG – volume changes are determined by the main EG (ENVELOPE GENERATOR), for fully contoured effects.
 - GATE – the VCA uses a simple dedicated gate ADSR envelope that is independent from the main EG. The default gate settings match the original response (Delay 0, Attack 0, Decay 0, Sustain 100%, Release about 20 ms), but Gate Delay, Gate Attack, Gate Decay, Gate Sustain and Gate Release can be adjusted in Voice→5 EG setup. The knob position is stored in the preset.
15. **ATTENUATOR** – this knob controls the overall volume of a given program over a 20 dB range, relative to the other programs. It can be used to prevent jarring changes in volume when you change programs (e.g., from a flute patch to an orchestral patch). It can also be used to preset "lead" and "rhythm" volume changes, if desired. The knob position is stored in the preset.

ENVELOPE GENERATOR

The Envelope Generator (EG) is used to create contouring effects, in combination with the VCF, VCA, or both. Contouring effects allow the sound of a note to change and evolve as time passes. This evolution in timbre (tonal quality) can take anywhere from a fraction of a second to several seconds, and different parts of the contour (attack, decay, etc.) can proceed at a different rate. These effects are important in producing expressive sounds that are punchy, gentle, funky, orchestral, futuristic, or just about anything you want.

A contour is a pattern of changes that begins when you press a key. The attack stage ramps up to a certain point (the attack peak), then decays down to a sustain level, remains at that sustain level as long as you hold the key down, and finally releases to 0 when you release the key. There are eight EGs in the Polyeight, one per voice, so that each voice may be independently articulated.

The VCF EG Depth control allows the amount of contouring (enveloping) to be continuously varied with either normal or inverted (reverse/negative) envelopes. The VCA can be controlled by either a full depth non–inverted (normal) contour from the EG, or by an independent gate–type envelope.

16. **ATTACK** – this knob varies the length of time it takes for the contour to rise from 0 to the attack peak. Longer attack times are produced as the control is moved clockwise towards higher numbers. The Attack can be set within a range of about 1 milli-second (1/1000 of a second) to about 15 seconds. The knob position is stored in the preset.
17. **DECAY** – this knob varies the length of time it takes for the contour to fall from the attack peak to the sustain level. Higher numbers produce longer decay times. The range is the same as for the attack parameter. The knob position is stored in the preset.
18. **SUSTAIN** – this knob varies the sustain level of the EG from 0% to 100% of the attack peak. Higher numbers produce higher sustain levels. Once the attack and decay portions are completed, the EG contour remains at the sustain level until the key is released. If HOLD (37) is selected, the EG contour will remain at the sustain level indefinitely. The knob position is stored in the preset.
19. **RELEASE** – this knob varies the length of time it takes for the contour to fall from the sustain level to zero after the key is released. Higher numbers produce longer release times in the same range as the attack. This knob position is stored in the preset.

- 20. EG DELAY – the main envelope generator also has a Delay stage before Attack. This menu—only parameter is available in Voice→5 EG setup→1 ADSR Delay and is stored in the preset.

MODULATION GENERATOR

The MODULATION GENERATOR (MG) is used for cyclical or repetitive modulation effects like VCO frequency modulation (vibrato), VCF cut–off frequency modulation (wah–wah), and VCA amplitude modulation effects (tremolo).

- 21. FREQUENCY— this knob controls the cyclic speed of modulation. The modulation frequency range is from 1 cycle every 30 seconds to 50 cycles per second. The frequency and the waveform of the MG is indicated on the LED next to the FREQUENCY knob. This provides a visual indication of the selected parameters. The knob position is stored in the preset.
- 22. WAVEFORM – this knob selects the waveform used by the MODULATION GENERATOR:
 - Sawtooth – a quick rise to the maximum value followed by a linear fall to the minimum value with the selected timing (frequency).
 - Triangle – a linear rise from the minimum value to the maximum, then a linearly falls back to the minimum value with the selected timing (frequency).
 - S&H (Sample and Hold) – a new random value is used for each MG cycle. The S&H waveform can be switched in the 6 MG setup menu (see below).
- 23. DELAY— this knob adjusts the Delay time of the MG. The Delay time increases as you turn the knob up towards 10, to a maximum of about 10 seconds. The delay function is single triggered, which means that a delay is initiated whenever all keys are released and new key(s) are pressed. The knob position is stored in the preset.
- 24. LEVEL – this knob controls the depth of the modulation effect under program control.
- ♦ The Modulation Wheel to the left of the keyboard functions independently of the MG section by manually adding a vibrato effect to the VCOs. The MG Wheel (31) will either add to the vibrato level programmed by the MG LEVEL control or will cause two modulations to occur simultaneously: vibrato, plus either wah–wah or tremolo. This knob position is stored with the preset. The behavior of the ModWheel can be changed in the mod-matrix menu.
- 25. MOD – this switch lets you select which kind of effect the modulation will produce: VCO (vibrato), VCF (wah–wah), VCA (tremolo). If you want two effects to occur at once, use the control wheel for vibrato, and set MG MOD to VCF or VCA. This switch is stored in the preset.

EFFECTS

This section applies chorus, phasing, or ensemble effects to the program. Effects are helpful in creating fat sounds, rotary speaker effects, and textures that range from warm and realistic to shimmering and futuristic. All settings can be stored in program memory along with the other control settings.

- 26. MODE – this knob selects the desired effect:
 - CHORUS – adds depth through subtle detuning
 - PHASE – pronounced, with a mild resonant edge. Used to create the sweeping "whooshing" effect.
 - ENSEMBLE – produces a heavy, complex modulation which is useful for strings, orchestral sounds, and similar thick textures.
 - OFF – no effects processing is applied to the sound.
- 27. SPEED/INTENSITY – this knob functions differently relative to the current setting:

- Chorus and Phase – the SPEED/INTENSITY knob determines both the cyclic speed (frequency) and the depth of the effect (there is a built-in MG just for the effects section). The speed of the effect increases as you turn the control clockwise towards 10. To avoid unnatural effects, the modulation depth is reduced automatically as speed increases. This allows deep sweeping effects at low speeds and pulsating effects with the proper depth at higher speeds.
- Ensemble – the SPEED/INTENSITY knob determines the intensity of the effect. Lower settings produce milder effects, while maximum intensity is produced fully counterclockwise at 10. The complex modulation patterns used in this mode make it unnecessary to adjust the speed. This setting is stored in the preset.

KEYBOARD

The keyboard controls are located on the side panel to the left of the keyboard.

- 28. BEND INTENSITY – this knob adjusts the range of pitch bend achievable by the BEND WHEEL (30), relative to the current Bend range setting. The maximum bend range is set via the menu Global→3 Bend range, up to +/-36 semitones. The Bend Intensity knob scales the Bend range setting, with 10 (fully clockwise) corresponding to a +/- MOD wheel note bend value equivalent to the Bend range setting. The Bend Intensity value is stored with the preset.
 - 29. PORTAMENTO – this knob controls the speed of portamento (glide) relative to the two portamento modes:
 - Time – the PORTAMENTO knob controls the time it takes for the pitch to reach the pitch of the pressed key. At zero, the pitch change is immediate. As the knob is rotated clockwise, the time it takes to reach the pitch played becomes progressively greater, and therefore the pitch evolves progressively more slowly into the pressed key's pitch. At maximum (10), the time required to reach the pressed key's note is around 5 seconds.
 - Speed – the PORTAMENTO knob controls the speed of the changes. In this case, the time it takes to reach the pressed key pitch is dependent on the range of pitches. This means that greater pitch changes will require more glide time, while smaller pitch changes will require less glide time. Since the knob controls the speed of the effect, the maximum position is required for turning portamento off, since maximum (10) in this case means maximum speed (immediate results).
- PORTAMENTO has a few parameters that can be changed within the Porta/Arp Setup menu. The default setting is Time, however Time or Speed mode can be selected via the 1 Mode menu item. The 2 Activation menu changes how PORTAMENTO is applied while the user is playing. With Always selected, PORTAMENTO is always active independently of the playing style. When Legato is selected, on notes played legato will have PORTAMENTO applied. In this case, when a key is released before pressing a new key, PORTAMENTO will not be effective. The 3 Quantization menu makes it possible to change PORTAMENTO behavior from continuous pitch changes to discrete pitch steps. The default setting is Continuous. All keys mode forces PORTAMENTO to move in discrete steps, with all pitches rounded to the nearest key pitch, like sweeping all keys. The Black keys and White keys settings function similarly but isolates the PORTAMENTO function to only white or black keys. 4 Glide curve controls how the pitch is calculated from the portamento position. In Linear mapping, the pitch follows the portamento position, while the Exponential, Smooth, or Logarithmic settings change this behavior. In these cases, the portamento position is not linearly applied to the pitch but applied relative to the function set.
- 30. BEND WHEEL – this wheel bends the pitch of the note up or down (above or below the fixed central position) relative to the BEND INTENSITY (28) and Bend range settings (see above).
 - 31. MG WHEEL – this wheel controls the modulation depth of the Modulation Generator (MG).

ARPEGGIATOR

The Polyeight Arpeggiator automatically sequences (plays notes in sequence, one after the other) the individual notes of a held chord at a desired speed and in three different patterns. This effect is often used to create musical movement via a rapid cascade of notes. Chords may be latched to arpeggiate indefinitely, if desired. Any Assign mode can be used except HOLD (37). This includes CHORD MEMORY (38), which lets you produce sequences of parallel chords or intervals.

- ♦ Only the basic controls are available at the front panel. Additional settings for the arpeggiator are available only within the Arpeggio setup submenu of the Porta/Arp Setup Menu.
- 32. ARPEGGIO – this button toggles the arpeggio on or off. The LED on the button indicates whether the arpeggio is currently on or off, with a lit LED signaling that the arpeggiator is active.
- ♦ In any external sync mode, if no external sync signal is present, the arpeggiator will not work, since it waits for the synchronization.
- 33. SPEED – this knob controls the rate (BPM) at which the arpeggio plays when Internal is selected as the clock source via the 1 Sync mode submenu in the Arpeggio Sync menu. When the Clock source is set to an external source the SPEED knob has no effect. For the sync configuration, see the menu. There is an option to display the arpeggiator speed in BPM (beat per minutes) and all (external or internal sync mode) from the menu using the Status display settings. The song position can also be selected from the menu.
- 34. RANGE –Selects the range of the repeated notes:
 - One octave – only the notes currently pressed, or those latched are arpeggiated.
 - Two octaves – the notes currently held, plus the same notes an octave higher are arpeggiated.
 - Full – the notes held, plus the same notes in all higher octaves, up to 5 octaves are arpeggiated. Notes played in the lower octave are repeated 4 times, while notes played in the highest octave would not be repeated at all since the highest note is limited by the highest pitch of the synthesizer.
- 35. MODE – this switch selects the order in which the notes are arpeggiated:
 - Up – notes are arpeggiated upwards
 - Down – notes are arpeggiated downwards
 - UP/Down – notes are arpeggiated upwards and subsequently back downwards
- 36. LATCH – this switch forces the arpeggiator to hold a note sequence even after the keys have been released. With Latch mode OFF, only the notes currently played on the keyboard will be arpeggiated. With Latch mode ON, any notes played are automatically memorized (latched) and will continue to arpeggiate even after you lift your fingers completely from the keyboard. To change the arpeggiation pattern, simply play one or more new keys. This cancels the old pattern and latches a new interval or chord. To stop the arpeggiator, turn either the LATCH or the ARPEGGIO (32) switch OFF.

- ♦ Octave repetitions may occur, depending on the RANGE switch setting.

KEY ASSIGN MODE

In addition to the normal Polyphonic (one voice per key–depression) playing mode, the Polyeight Assigner can perform multiple other useful functions, such as:

- HOLD – indefinite sustain
- CHORD MEMORY – used for parallel harmonies
- UNISON – all 8 voices are stacked on the same note

- DOUBLE – used for layering two presets

Each of these functions will be described below.

- 37. HOLD – this button provides indefinite sustain for CHORD MEMORY (38), UNISON (39), DOUBLE (40) and POLY (41) Assign Modes. In effect, the synthesizer behaves as if the player is constantly holding down the note or notes played. This lets you initiate a sound on the Polyeight and then play other instruments at the same time. The HOLD button has two modes: Retriggering and Toggle. This can be changed in the 5 Hold mode sub–menu item of the Global setup menu.
- Retriggering – when a key which is already in a held state is depressed again, the corresponding note will be retriggered, and the key remains in hold mode.
- Toggle – the key will be removed from the hold state, and if there is a corresponding note for the key it will be turned off.
- ♦ The Envelope Generator's SUSTAIN LEVEL control must be set to some value other than "0" for indefinite sustain, or sounds played in the HOLD (37) mode may eventually disappear relative to the EG Decay setting. The effect will change depending on the Keyboard Assign mode selected.
- 38. CHORD MEMORY – CHORD MEMORY works essentially the same as HOLD (37), except that an interval or chord is sustained based on the last notes played, rather than a single unison note. In POLY (41) mode, each key played will activate the next voice in sequence, up to the maximum of 8, all with indefinite sustain; thus, a note layering effect is created.
- ♦ If the memorized chord is less than 8 notes, the remaining oscillators will not be heard when in CHORD MEMORY mode, thereby reducing the instrument's overall output.
- 39. UNISON – monophonic mode useful for leads and bass lines, with multiple voices stacked on one note. The Voice→3 Unison setup menu has Detune, Unison voices, Note priority and Retrigger functions. Unison voices can be set to 2, 4, 8 or 1 (mono lead). The Detune control ranges from 0 to 100. 0–80 scales spread up to about +/-30 cents. 80–90 morphs from random spread toward a supersaw–like pattern, and 90–00 selects supersaw–like morphing range in 8–voice mode. Drift is adjusted separately in the Voice→4 Drift setup menu. In HOLD (37) + UNISON modes, the last note played will sustain indefinitely, or until HOLD (37) is cancelled.
- 40. DOUBLE – DOUBLE mode provides layering options, whereby two different presets can be layered (sounded simultaneously) when reducing the polyphony to half. The two presets can be selected separately with the preset selection controls. The LOWER/UPPER mode selection can be accomplished by using the DOUBLE button with SHIFT (42) pressed on, or by pressing the SELECT (51) encoder.
- 41. POLY – polyphonic mode with one voice allocated to each key press, up to a maximum of 8 voices.

PROGRAMMER

- 42. SHIFT – this button grants access to menu items contained within specific buttons. These menu items are mentioned within the relevant button's section in this manual.



- 43. COMPARE – this button provides an interface for comparing the current

preset values with the top panel's control settings. When this mode is selected and any surface control (potmeter, switch) position is changed, the screen will show the current preset value at the upper righthand corner of the screen, while the current control value is displayed at the lower righthand corner of the display. In front of the current value there is an indicator that will show a dot if the two values are equal, or an arrow showing the direction (increase/decrease) where the current parameter should be changed to match the preset value. Press the COMPARE (43) button again to return to the normal mode.

44. **MANUAL** – this button puts the unit into MANUAL mode, whereby the sound is determined entirely by the top panel's control settings. When this mode is selected, the device switches from the current preset to the parameter settings determined by the top panel. All changes made on the top panel will be applied to the current sound. You can store the current MANUAL mode settings as a preset by selecting the WRITE function. To return to the normal mode, press the MANUAL button again.
45. **WRITE** – this button initiates storing of the current preset values (including the program name) into a designated preset position. The SELECT (51) encoder can be used to change the preset position, while the Bank change buttons (52/53) also can be used (for BANK change the SHIFT (42) button needs to be active). When the selection is done, a SELECT (51) encoder press will store the current settings into the preset data. Pressing the WRITE button again will cancel the operation.

ASSIGNABLE PRESET RECALL

There are four user slots for storing favorite presets. The slots are numbered from 1 to 4, where the selected preset index can be stored and later recalled by one button press. For storing a preset selection, press and hold preset recall button 1–4 and momentary press WRITE (45) button. The LED on the Preset Recall button will flash and the preset selection will be stored. The selection is preserved over device power cycles, until rewritten by the user.

- ◆ **When you want to modify the preset selection for any slot, first select the slot by pressing button 1–4, then select the preset. Without selecting the slot first, the selection will be overwritten with the previous value when you attempt to save it by pressing the slot button and WRITE button.**

The ASSIGNABLE PRESET RECALL buttons serve an additional function by granting access to menu items not available on the front panel. These are listed in further detail later in this manual.

46. **USB/MIDI** – (in conjunction with the SHIFT (42) button) grants access to menu items that set MIDI messaging preferences behaviors over both 5–pin DIN MIDI and USB MIDI.
47. **VEL/AFT** – (in conjunction with the SHIFT (42) button) grants access to menu items that set the VELOCITY and AFTERTOUCH behavior preferences.
48. **VOICE** – (in conjunction with the SHIFT (42) button) grants access to menu items that set voice (polyphony) and MODULATION GENERATOR preferences.
49. **MOD** – (in conjunction with the SHIFT (42) button) grants access to the internal MODULATION MATRIX (MM).
50. **LCD SCREEN** – displays all internal menu items, patch/bank number and patch names, parameter changes and various information relevant to the patch/global settings.
51. **SELECT** – this encoder scrolls through internal menu items. It's also used as an enter button by pressing down on it.
52. **– PRESET/VALUE** – moves back one PRESET or value number (or BANK in conjunction with the SHIFT (42) button).
53. **+ PRESET/VALUE** – moves forward one PRESET or value number (or BANK in conjunction with the SHIFT (42) button).

MENUS AND SCREENS

MAIN SCREEN



After the device startup procedure, the MAIN SCREEN is displayed. The MAIN SCREEN displays the currently selected preset bank A–D on the first line of the display, and preset number (1–64) and preset name on the second line of the display. Whenever front panel controls are moved, their current value is temporarily shown on the second line, while the preset name is moved to the first line. If the preset has an unsaved change, an asterisk (*) is displayed next to the preset number. To save these, use the WRITE (45) button.

Pressing the SELECT (51) encoder button enters the preset name editor screen, with "edit name" displayed. Use the SELECT (51) encoder to change the letter and move the cursor with the PRESET/VALUE (52/53) buttons. When finished with name editing, press the SELECT (51) encoder again followed by the WRITE (45) button.

- ◆ **Saving the preset name will save all preset parameters. If the preset has had surface parameter changes, these will also be saved. If there are unsaved changes (marked by the * symbol) and the WRITE (45) button is not pressed prior to navigating to another preset, these changes will be permanently lost.**

The SELECT (51) encoder or PRESET/VALUE (52/53) buttons can be used to change the preset number. The SELECT (51) encoder is limited to the preset number's lowest/highest values (1 and 64, respectively), while the PRESET/VALUE (52/53) buttons continuously move (from 64 forward to 1 or 1 backward to 64). The bank can be changed by pressing the SHIFT (42) button and using the PRESET/VALUE (52/53) buttons to increase or decrease the bank index. The bank index similarly continuously moves and is not prevented from moving forward or backward once the highest or lowest number has been reached.

MENU

The menu can be used to change parameters that are not available on the front panel. To activate the menu the buttons, alternate functions need to be used. These functions are marked on the front panel overlay by gray color and need the SHIFT (42) button to be active. When the SHIFT (42) is active, the Led on the button blinks. To deactivate, press the SHIFT (42) button again.

- ◆ **When a menu is entered using the SHIFT (42) button, the menu will be closed when the SHIFT (42) button is deactivated, or when the same menu button is pressed again. When the current menu is not the root menu, the first press of the menu button returns to the root menu, then the next press will deactivate the menu.**

The selection of each menu item can be accomplished by rotating the SELECT (51) encoder and entering submenus or parameter editing is done by pressing the SELECT (51) encoder. Parameters can be changed by turning the SELECT (51) encoder, while pressing the SELECT (51) encoder accepts the current value. For binary parameters the PRESET/VALUE (52/53) buttons must be used. The parameter will be saved when the menu is closed and will be preserved over power cycles.

GLOBALS/COMPARE

GLOBAL SETUP MENU

The Global Setup Menu is available when pressing the SHIFT (42) button in combination with the COMPARE (43) button. The following items are available within the Global Setup Menu:

1 Misc

- **1 Brightness** – adjusts the LCD backlight intensity. Higher values make the screen brighter. The intensity can be adjusted to adapt to lighting conditions. The default value is 30, with a possible range of 0–32.
- **2 Contrast** – sets the LCD contrast for readability. If characters appear washed out or too dark, adjust the contrast until the text is clear when viewed from typical viewing angles. The default value is 25, with a possible range of 0–32.
- **3 Wheels** – contains inversion settings for the pitch–BEND WHEEL (30) and MG WHEEL (31):
 - **Invert Bend** – inverts the direction of the pitch–BEND WHEEL (30). When enabled, pushing the wheel forward produces downward pitch bend (or vice versa), to match your playing preference or controller orientation. The default value is OFF. To turn this on, press the +PRESET/VALUE (53) button. Following this, an "X" will fill the empty box. To turn it off again, press the –PRESET/VALUE (52) button.
 - **Invert MG:** Inverts the modulation wheel polarity. Useful if your typical modulation gesture feels reversed; also helps with certain external controllers. The default value is OFF. Use the same method as above to turn this ON or OFF again.
- **4 Fan** – controls the internal cooling fan behavior.
 - **Auto** – the firmware dynamically manages fan speed based on thermal conditions. This is the default value.
 - **Slow/Mid/Fast** – fixed speed profiles; choose higher speeds for warmer environments.
 - **Off** – disables the fan. Not recommended for extended sessions in hot environments.

2 Tempo Sync

Contains various settings that determine how the unit is synced with external gear.

- **1 Sync Mode** – sets the source used to sync the arpeggiator
 - **Internal** – the unit's rate of arpeggiation is synced internally with the BPM controlled by the SPEED (33) knob.
 - **USB MIDI** – the unit's rate of arpeggiation is synced to an external device via MIDI messages received at the USB (56) socket.
 - **DIN MIDI** – the unit's rate of arpeggiation is synced to an external device via MIDI messages received at the MIDI IN (57) socket.
 - **External Jack** – the unit's rate of arpeggiation is synced to an external device via the Arpeggiator Sync In (63) socket on the rear panel.
- **2 External Clock** – sets the clock resolution setting used to sync the unit to external clock sources. Check the documentation for the external source to determine the correct setting.
 - **1 PPS** – one Pulse Per Second
 - **1 PPQ** – one Pulse Per Quarter note
 - **2 PPQ** – 2 Pulses Per Quarter note
- **3 Clock Edge** – determines the voltage jump direction used to trigger the unit.
 - **Rising** – (Positive Edge). The unit is triggered when a clock signal goes from low to high (0 to 1).
 - **Falling** – (Negative Edge). The unit is triggered when a clock signal goes from high to low (1 to 0).
- **4 External Run** – sets the signal level used to determine the starting point of the running state of the arpeggiator.
 - **Run when low** – the arpeggiator runs when the low level of the signal is received, starts a high -> low transition and stops at a low -> high transition.
 - **Run when high** – the arpeggiator runs when the high level of the signal is received, starts at a low -> high transition and stops at a high -> low transition.
 - **Always run** – external start/stop messages are ignored (if no such signal is present) while receiving sync messages.

- **4 PPQ** – 4 Pulses Per Quarter note
- **24 PPQ** – 24 Pulses Per Quarter note
- **48 PPQ** – 48 Pulses Per Quarter note

3 Status Disp

The status display is an extended information display visible on the upper right corner of POLY (41) screen when enabled. This screen shows the main screen with position status information.



- **1 Mode**
 - **Off** – the status area shows no dynamic status overlay. This is the default setting.
 - **Tempo** – the screen displays the current tempo reference (internal or external clock) in BPM, helpful for sync troubleshooting.
 - **Position** – the screen displays the song position pointer (SPP) when available from MIDI. This is useful when used in conjunction with sequencers. External sync modes have no absolute position information, so the position will be reset at every external start trigger.
 - **Chords** – the screen displays the detected note and chord names from played notes using internal keyboard. This is helpful for performance and learning. When a chord is recognized, it shows the current chord name and if the chord is in an inversion it also shows the current root note (e.g. displays C/G for pressed keys G–C–E). If the chord is beyond recognition, it displays the pressed notes (e.g. <C–E> when C–E keys are pressed)
- **2 Tempo Num.** – sets the numerator component of the displayed position. Purely a display aid. This does not change the synth's timing engine by itself.
- **3 Tempo Den.** – sets the denominator (note value) for the displayed position: 2, 4, 8, 16, 32.

4 Bend range

Sets the pitch bend range in semitones for the internal engine. Typical values are 2 (classic synth), 12 (one octave, this is the default). The maximum value is 36 semitones, or three octaves. Larger ranges enable extreme bends at the expense of fine control. The BEND INTENSITY (28) knob's maximum value will be set to this value. Using the BEND INENSITY (28) knob this range can be reduced, even to zero.

5 Pedal

- 1 SusPdl Assign – assigns the sustain pedal function.
 - Sustain – provides the traditional sustain pedal behavior on the VCA/EG.
 - Preset Up/Preset Down – steps through presets either upwards or downwards. The preset index will wrap around at the limits.
 - Pr. Recall Up/Pr. Recall Down – steps through the four assignable preset–recall slots either upwards or downwards.
- 2 ChrdPdl Assign – assigns the chord pedal function:
 - Chord Memory – toggles CHORD MEMORY (38) mode ON or OFF, like using the CHORD MEMORY (38) button.
 - Preset Up / Preset Down – steps through presets. The preset index will wrap around at the limits.
 - Pr. Recall Up / Pr. Recall Down – steps through the four assignable preset–recall slots.
- 3 ExprPdl Invert – sets the expression pedal polarity.
- Normal – standard expression pedal behavior.
- Invert – the expression pedal messages are inverted. Use Invert if the pedal operates in the opposite direction from what you would normally expect.

6 Hold mode

Controls how the second key press of the same key is handled in HOLD (37) mode.

- Retriggering – notes are retriggered when the same key is depressed again. This is the default setting.
- ♦ **There is a separate unison retrigger setting.**
- Toggle – notes are released when the same key is depressed again.

7 Sysex dump

Sends data over MIDI SysEx for backup or transfer. Perform a SysEX dump before firmware updates or when migrating presets between units.

- Bank A/B/C/D – dumps the entire preset bank to the selected MIDI output.
- Upper Patch/Lower Patch – dumps only the current upper or lower-layer preset.
- ♦ **For sending the upper preset, the key assign needs to be set to DOUBLE (40) mode.**
- Current Prog – dumps the currently selected program.

8 Restore

Restores factory content.

- Bank A/B/C/D – replaces user presets in the selected bank with factory presets.
- ♦ **This is irreversible without a prior backup.**
- Settings – resets the global settings to factory defaults (fan, wheels, MIDI, etc.).

- ♦ **Perform a SysEx dump before restoring factory content to avoid data loss.**

9 Versions

Shows version triples using formats like vXYZ.ABC.DEF. Useful for checking component compatibility.

- 1 Main Firmware – displays main firmware version
- Voice Firmware – displays voice firmware version
- Key Firmware – displays key firmware version

10 Recalibrate

Runs calibration routines for analog paths. Calibration typically takes around less than 2 minutes.

- States – VCO, VCF, VCA

- ♦ **Recommendation: Warm up the device ~15 minutes before use and follow on-screen guidance. Cancelling leaves the current calibration intact. When calibration is finished, acknowledge it with a SELECT (51) encoder push.**

PORTA/MANUAL

Porta/Arp Setup Menu

The Porta/Arp Setup Menu is accessible by pressing the SHIFT (42) button followed by the MANUAL/PORTA (44) button.

1 Arpeggio

- 1 Step length – sets the musical subdivision per step, including dotted (-) and triplet (T) values. Influences tempo-relative gate timing. Values range from 1/1 to 1/32.
- 2 Gate time – sets the note length percentage (0–100).
- 3 Swing amount – sets the off-beat delay percentage for shuffle.
- 4 Ratchet trigger – sets the condition for ratcheting (repeats per step): Off, key velocity, aftertouch, every note, or every 2nd-8th note.
- 5 Ratchet count – sets the number of repeats per ratcheted step (1–8).
- 6 Ratchet vel/aft – sets the Velocity/Aftertouch threshold used when the ratchet trigger is velocity or aftertouch-based.
- 7 Retrigger mode – sets the retrigger mode: Legato, Retrigger, or Stacked.
- 8 Velocity – sets how arpeggio steps are accented: Key, Flat, Accent2, Accent4, Pulse, Ramp up, Ramp down, Random.
- 9 Note order – Normal, Pressed, or Random
- 10 End notes – Inclusive, Exclusive, Up, or Down
- 11 Max range – limits the octave span to 3, 4, or 5 octaves.

2 Portamento

- 1 Mode – determines the portamento mode in terms of either Speed or Time. These are discussed in item 28 above.
- 2 Activation– determines when portamento is active.
 - Always – portamento is always active.
 - Legato Only – portamento is activated on legato notes only.
- 3 Quantization – locks the pitch values of the portamento effect in discrete

- steps: Continuous, Chromatic, Major Scale, Pentatonic.
- 4 Glide Curve – sets the curve used for pitch glide: Linear, Exponential, Smooth, or Logarithmic.

INITIAL/WRITE

The INITIAL function is accessible when pressing the SHIFT (42) button followed by the INITIAL/WRITE (45) button.

Sets the selected preset to its initial state. It will clear all current preset data. The SELECT (51) encoder can be used to change the preset position. The Bank change (51/52) buttons can also be used (for BANK change the SHIFT (42) button needs to be active). When the selection is completed, a SELECT (51) encoder press will initialize the current settings. Pressing the WRITE (45) button again will cancel the operation.

USB/MIDI

MIDI Setup Menu

The MIDI Setup Menu is accessible by pressing the SHIFT (42) button followed by the USB/MIDI (46) button.

1 Chan In Lower/2 Chan In Upper

This sets incoming (RX) MIDI for lower and upper layers (1-16, or All). In modes other than DOUBLE (40) the lower channel is used, and upper-channel input is ignored.

3 Chan Out Lower/4 Chan Out Upper

This sets outgoing (TX) MIDI channels for lower and upper layers (1-16, or RX Channel). In modes other than DOUBLE (40) the lower channel is used and upper channel output is ignored.

5 Device ID

This is the SysEx device ID used for dumps and restores.

6 Song

- Position In – accepts Song Position Pointer.
- Stop on Seek – stops the running sequence/LFO when the transport jumps
- Stop all off – stops all notes on stop
- Start resets – returns the song position to the start when playback begins

7 Forwarding

- DIN to USB, USB to DIN and DIN to DIN – forwards note/CC/NRPN traffic. This can be enabled or disabled.
- Rt to DIN/USB – forwards MIDI real-time clock and transport. This can be enabled or disabled.
- Sync to DIN/USB – forwards sync timing. This can be enabled or disabled.

8 Local Ctrl

- Local Key – enables or disables the keyboard.
- Local Surface – enables or disables panel to-engine control.

9 USB Ctrl/10 Din Ctrl

- NRPN TX/RX – CC TX/RX and Rt/Clk TX can be enabled separately for USB MIDI and DIN MIDI.

11 Knob TX – selects whether front-panel controls

transmit MIDI CC or NRPN.

VEL/AFT

Vel/Aft Setup Menu

The Vel/Aft Setup Menu is accessible by pressing the SHIFT (42) button followed by the VEL/AFT (47) button.

1 Vel Curve

This sets the overall keyboard velocity response to match playing styles.

- Soft – requires a softer touch to reach high velocities
- Medium – velocity response is linear and corresponds to the speed or force of touch
- Hard – requires a harder touch to reach high velocities

2 Aft Curve

This sets the Aftertouch response curve. Tune sensitivity for expressive control.

- Soft – aftertouch is triggered even with a softer playing style
- Medium – aftertouch is triggered with a relatively normal playing style
- Hard – aftertouch is triggered with a harder playing style

3 AfterTouch Flt

This sets filtering/smoothing for aftertouch. Higher values reduce jitter and micro-fluctuations. Lower values preserve fast nuances.

VOICE

Voice Setup Menu

The Voice Setup Menu is accessible by pressing the SHIFT (42) button followed by the VOICE (48) button.

1 Unison setup

- Detune – sets the amount of detune applied to multiple voices (0-127).
- Unison voices – sets the number of unison voices used. Unison voices can be set to 2, 4, 8 or 1 (mono lead).
- Note priority – sets the note priority when the maximum number of voices has been used (Last note, Highest note, Lowest note, Single note).
- Retrigger – On/Off

2 Drift setup

This sets the Drift behavior of the unit.

- 1 Drift amount – amount of pitch/filter drift
- 2 Drift mode – Unison Only, or All modes

3 EG setup

This contains items for determining the behavior of the ENVELOPE GENERATOR.

- 1 ADSR Delay
- 2 GATE Delay
- 3 GATE Attack
- 4 GATE Decay
- 5 GATE Sustain
- 6 GATE Release

- 7 GATE EG Reset

4 MG setup

This contains items for determining the behavior of the MODULATION GENERATOR.

- 1 MG sync/trig
 - Off— disabled
 - First note — the MG will retrigger on the first note of a group of notes (default).
 - Every note — the MG will retrigger on each pressed note.
 - Tempo — syncs the MG to the current tempo
- 2 MG S&H wave — the waveshape used for the MODULATION GENERATOR.
 - S&H — Sample and Hold
 - Sine — a simple sine wave
 - Square — a square wave
 - Reverse Saw — a reversed sawtooth wave
- 3 VCO Pitch dept — The MG→VCO pitch modulation depth in semitones:
 - 0–36

5 PWMG setup

This contains items for determining the behavior of the Pulse Width Modulation Generator.

- 1 PWMG waveform — the waveform used for Pulse Width Modulation
 - Triangle
 - Sawtooth
 - Reverse Saw
 - Square
 - Sine
 - S&H
- 2 PWMG Spd range — the speed range of the Pulse Width Modulation effect
 - Normal
 - Slow
- 3 PWMG sync/trig
 - First note —the PWMG will retrigger on the first note of a group of notes (default).
 - Every note — the PWMG will retrigger on each note.
 - Tempo — syncs the PWMG to the tempo.

6 Keyboard Split

This sets the limits for the keyboard split. Press keys while editing to choose the split notes.

- 1 Lower split — sets the highest low note
- 2 Upper split — sets the lowest upper note.

7 Double Detune

Lets you set detune values independently for the upper and lower presets (those assigned to the upper and lower keyboards) when in DOUBLE mode.

- 1 Lower — detune the lower preset from -64 to +20 cents.
- 2 Upper — detune the upper preset from -64 to +20 cents.

8 AutoGen Preset

Automatically generates a new sound for the current preset slot.

9 AutoGen Bank

Automatically generates a full bank after confirmation. Existing presets in the target bank are overwritten.

MOD

Modulation Matrix

The Modulation Matrix is accessible by pressing the SHIFT (42) button followed by the MOD (49) button. Press down on the SELECT (51) encoder to scroll between Amount→Source→Destination. The PRESET/VALUE (52/53) buttons can be used to move to the next/previous Modulation slot. There are eight modulation slots, the effects of which are stored with the presets. When Mod Wheel is selected as a source, it's automatically disconnected from the VCO pitch modulation depth control.

- Modulation Sources — selects the modulation source:
 - None
 - Velocity
 - Keyboard Track
 - Pressure (Aftertouch)
 - Bend
 - Mod Wheel
 - Expression
 - Inverted Expression
 - Breath
 - CC16
 - CC17
 - EG Envelope
 - Unity
 - Zero
- Destinations — sets the target parameter:
 - None
 - MG to VCO
 - MG to VCF
 - MG to VCA
 - MG Level
 - MG Frequency
 - Cutoff
 - Resonance

- EG Intensity
- Pitch
- VCO PW
- EG Attack
- EG Decay
- EG Sustain
- EG Release
- VCA Gain
- Effect Speed
- Modulation Amounts — modulation depth is bipolar. This means that positive values increase the source's modulation effect on the destination and negative values invert the source's modulation effect. Values range from -255 to +255.
- ♦ **Unity and Zero are constant sources that can be used for fine tuning offsets such as static gain trim or pitch detune.**

DEVICE UPDATER

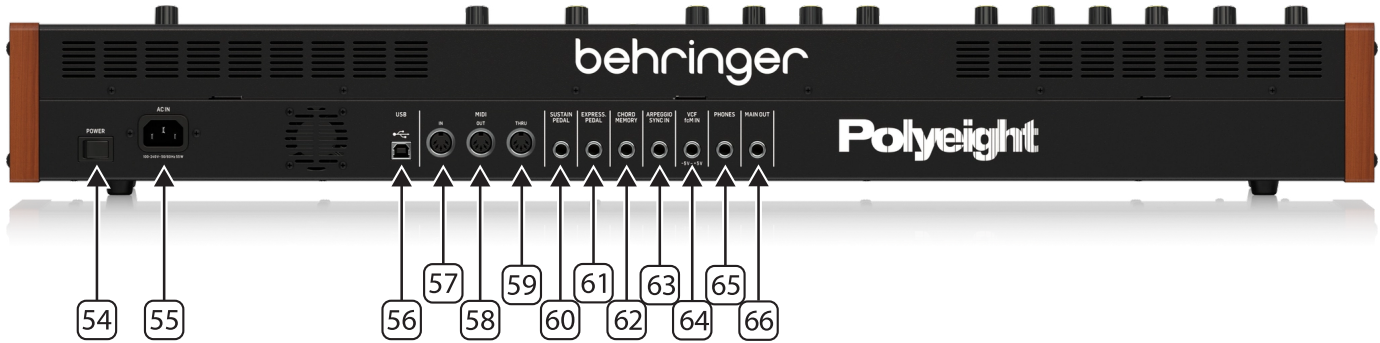


The device firmware update mode can be started from software, but it also can be started by powering on the device while pressing the HOLD (37) and POLY (41) buttons simultaneously. Once the updater has started, the buttons can be released and firmware can be updated.

PRACTICAL TIPS

- Backup before changes — use the SysEx Dump feature to save Banks and Settings prior to Restore or large edits.
- External integration— match the MIDI interface, channels, and clock resolution with your DAW or hardware sequencer.
- Live reliability — maintain preference for Auto fan on hot stages. Latch the arpeggiator for hands–free rhythmic textures.
- Expressivity — fine–tune Vel/Aft curves and AfterTouch filter to your playing. Combine mod sources for nuanced control.

EN REAR PANEL



- 54. POWER – this button turns the unit on or off.
- 55. AC IN – main input for supplying power to the unit. Use only the supplied power adapter.
- 56. USB – USB type B input used for FW updates and sending/receiving MIDI data.
- 57. MIDI IN – 5-pin DIN MIDI input used to receive MIDI data from external MIDI-capable devices.
- 58. MIDI OUT – 5-pin DIN MIDI output port used to send MIDI data to external MIDI-capable devices.
- 59. MIDI THRU – 5-pin DIN MIDI output port used to send incoming MIDI data through the unit to external MIDI-capable devices along the signal chain.
- 60. SUSTAIN PEDAL – input used to connect a standard switch-type pedal to the unit. Assignable in the Mod Matrix.
- 61. EXPRESS PEDAL – input used to connect a potmeter-type pedal to the unit. Modulation values are assignable in the Mod Matrix.
- 62. CHORD MEMORY – additional input used to connect a switch-type pedal to the unit.
- 63. ARPEGGIO SYNC IN – stereo input used to connect the unit to an external clock source with a ¼" TRS cable. The Tip of the cable receives sync in data, and the Ring receives start/stop messages.
- 64. VCF fcm IN – -5V–+5V input that is added to the VCF frequency for all voices.
- 65. PHONES – main ¼" (6.35mm) output used to connect external headphones to the unit.
- 66. MAIN OUT – main mono ¼" (6.35mm) output used to send the Polyeight's signal to external gear/amplification.

GLOSSARY

- NRPN – High-resolution MIDI parameter control. More precise than CC, but DAW/synth support varies.
- SPP (Song Position Pointer) – MIDI message indicating measure/beat position; aids transport sync.
- PPQ/PPS – Pulses Per Quarter/Second; defines clock resolution.
- Latch – Toggle behavior that keeps a function active until toggled off again.

SHORTCUTS

SHORTCUT	FUNCTION
SHIFT (42) + ARPEGGIO (32)	Access Arpeggiator setup menu
SHIFT (42) + UNISON (39)	Access Unison setup menu
SHIFT (42) + DOUBLE (40)	Access Keyboard split menu
SHIFT (42) + SELECT (51) encoder	Change the last changed potmeter knob value with SELECT (51) encoder rotation (when in the preset selection screen)

SPECIFICATIONS

Synthesizer Architecture	
Number of voices	8
Type	VCO
Oscillators	8
LFO	1
VCF	1 SSM2044 low pass 4–pole, 24 dB/Oct
Envelopes	1
Connectivity	
MIDI In/out/thru	5-pin DIN / 16 channels
USB (MIDI)	USB 2.0, type B
Main output	1 x 6.35 mm (¼") TRS, balanced, max. 22 dBu
Impedance	50 Ω
Headphones	6.35 mm (¼") TRS, stereo, max 25 mW dBu
Impedance	25 Ω
Foot pedals	
Sustain	6.35 mm (¼") TS
Expression	6.35 mm (¼") TS
Chord Memory	6.35 mm (¼") TS
Arpeggiator Sync In	6.35 mm (¼") TS
VCF f _c M IN	6.35 mm (¼") TS
USB	
Type	Class-compliant USB 2.0, type B
Supported operating systems	Windows 7 or higher
	Mac OS X 10.10 or higher
Manual Section	
Controls	Volume Output: 0 to 10
	Tune
	Noise Level
	Bend Intensity
	Portamento Speed
	Bend Wheel
	MG Wheel
Switches	Octave Transpose
Key Assign Section	
Buttons	Hold
	Chord Memory
	Unison
	Double
	Poly
Arpeggiator Section	
Controls	Speed
	Range
Switches	Mode
	Latch
Buttons	Arpeggio on/off
LFO (MG) Section	
Controls	Frequency
	Waveform
	Delay Time
	Level

Switches	MOD (destination)
VCO Section	
Controls	Octave
	Waveform
	PW/PWM
	PWM Speed
Switches	SUB OSC On/Off
VCF Section	
Controls	Cutoff
	Resonance
	EG Intensity
	Keyboard tracking
VCA Section	
Controls	Attenuator
Switches	Mode
Envelope Section	
Controls	Attack
	Decay
	Sustain
	Release
Effects Section	
Controls	Mode (Off, Chorus, Phase, Ensemble)
	Speed/Intensity
	Off
Programmer Section	
Controls	Select encoder
Buttons	Preset/Value –
	Preset/Value +
	Shift
	Compare
	Manual
	Write
Screen	2 x line, 16-digit LCD display
Assignable Preset Recall Section	
Buttons	1 – USB / MIDI
	2 – Vel / Aft
	3 – Voice
	4 – Mod
Keyboard	
Type	49 full-size keys with velocity and poly aftertouch
Power Requirements	
Mains connector	Standard IEC C13 receptacle
Power consumption	36 watt max
Internal switch-mode PSU	Autorange 100–240 V, (50 / 60 Hz)
Physical	
Standard operating temperature range	0–35°C
Dimensions (H x W x D)	12cm x 82.5 cm x 26 cm/4.7 x 32.4 x 10.2in
Weight	7.5 kg/16.5lbs

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MIDI CONTROL CHANGE MAPPINGS

PRESET PARAMETERS

CC	TITLE	NAME	DESCRIPTION
0	Bank Select MSB	cc_Bank_Select_MSB	Lets the user switch the patch bank. Usually labeled with a letter. Program change used with Bank Select means that there are 16,384 patches per MIDI channel.
1	Modulation Wheel MSB	cc_Modulation_Wheel_MSB	Generally this CC controls a vibrato effect. What is modulated is usually product specific.
2	Breath Controller MSB	cc_Breath_Controller_MSB	For use with a breath MIDI controller in which blowing harder produced higher MIDI control values.
3	Undefined 1 MSB	cc_Undefined_1_MSB	
4	Foot Controller MSB	cc_Foot_Controller_MSB	Unlike a switch pedal, this is for use with a continuous pedal that sends a continuous stream of values.
5	Portamento Time MSB	cc_Portamento_Time_MSB	Controls portamento rate to slide between 2 notes played subsequently.
6	DataEntry MSB	cc_DataEntry_MSB	Controls Value for NRPN or RPN parameters.
7	Volume MSB	cc_Volume_MSB	Controls the volume of the channel.
8	Balance MSB	cc_Balance_MSB	Controls the left and right balance, generally for stereo patches. A value of 64the center.
9	Undefined 2 MSB	cc_Undefined_2_MSB	
10	Pan MSB	cc_Pan_MSB	Controls the left and right balance. Generally used for mono patches. A value of 64=the center.
11	Expression Controller MSB	cc_Expression_Controller_MSB	Expression is most often used to control volume.
12	Effect Control 1 MSB	cc_Effect_Control_1_MSB	Used to control an effect.
13	Effect Control 2 MSB	cc_Effect_Control_2_MSB	Used to control an effect.
14	Undefined 3 MSB	cc_Undefined_3_MSB	
15	Undefined 4 MSB	cc_Undefined_4_MSB	
16	General Purpose 1 MSB	cc_General_Purpose_1_MSB	
17	General Purpose 2 MSB	cc_General_Purpose_2_MSB	
18	General Purpose 3 MSB	cc_General_Purpose_3_MSB	
19	General Purpose 4 MSB	cc_General_Purpose_4_MSB	
20	Undefined 5 MSB	cc_Undefined_5_MSB	
21	Undefined 6 MSB	cc_Undefined_6_MSB	
22	Undefined 7 MSB	cc_Undefined_7_MSB	
23	Undefined 8 MSB	cc_Undefined_8_MSB	
24	Undefined 9 MSB	cc_Undefined_9_MSB	
25	Undefined 10 MSB	cc_Undefined_10_MSB	
26	Undefined 11 MSB	cc_Undefined_11_MSB	
27	Undefined 12 MSB	cc_Undefined_12_MSB	
28	Undefined 13 MSB	cc_Undefined_13_MSB	
29	Undefined 14 MSB	cc_Undefined_14_MSB	
30	Undefined 15 MSB	cc_Undefined_15_MSB	
31	Undefined 16 MSB	cc_Undefined_16_MSB	
32	Bank Select LSB	cc_Bank_Select_LSB	
33	Modulation Wheel LSB	cc_Modulation_Wheel_LSB	
34	Breath Controller LSB	cc_Breath_Controller_LSB	

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MIDI CONTROL CHANGE MAPPINGS (CONT'D)

35	Undefined 1 LSB	cc_Undefined_1_LSB	
36	Foot Controller LSB	cc_Foot_Controller_LSB	
37	Portamento Time LSB	cc_Portamento_Time_LSB	
38	DataEntry LSB	cc_DataEntry_LSB	
39	Volume LSB	cc_Volume_LSB	
40	Balance LSB	cc_Balance_LSB	
41	Undefined 2 LSB	cc_Undefined_2_LSB	
42	Pan LSB	cc_Pan_LSB	
43	Expression Controller LSB	cc_Expression_Controller_LSB	
44	Effect Control 1 LSB	cc_Effect_Control_1_LSB	
45	Effect Control 2 LSB	cc_Effect_Control_2_LSB	
46	Undefined 3 LSB	cc_Undefined_3_LSB	
47	Undefined 4 LSB	cc_Undefined_4_LSB	
48	General Purpose 1 LSB	cc_General_Purpose_1_LSB	
49	General Purpose 2 LSB	cc_General_Purpose_2_LSB	
50	General Purpose 3 LSB	cc_General_Purpose_3_LSB	
51	General Purpose 4 LSB	cc_General_Purpose_4_LSB	
52	Undefined 5 LSB	cc_Undefined_5_LSB	
53	Undefined 6 LSB	cc_Undefined_6_LSB	
54	Undefined 7 LSB	cc_Undefined_7_LSB	
55	Undefined 8 LSB	cc_Undefined_8_LSB	
56	Undefined 9 LSB	cc_Undefined_9_LSB	
57	Undefined 10 LSB	cc_Undefined_10_LSB	
58	Undefined 11 LSB	cc_Undefined_11_LSB	
59	Undefined 12 LSB	cc_Undefined_12_LSB	
60	Undefined 13 LSB	cc_Undefined_13_LSB	
61	Undefined 14 LSB	cc_Undefined_14_LSB	
62	Undefined 15 LSB	cc_Undefined_15_LSB	
63	Undefined 16 LSB	cc_Undefined_16_LSB	
64	Damper Pedal	cc_Damper_Pedal	This is the controller for the sustain pedal.
65	Portamento Pedal	cc_Portamento_Pedal	This is the controller for the portamento pedal.
66	Sostenuto	cc_Sostenuto	This is the controller for the sostenuto pedal.
67	Soft Pedal	cc_Soft_Pedal	This is the controller for the soft pedal. This will lower the volume of the sound.
68	Legato Pedal	cc_Legato_Pedal	This turns on the legato effect between two subsequent note ons and offs.
69	Hold Pedal	cc_Hold_Pedal	
70	Sound Control 1 Sound Variation	cc_Sound_Control_1_Sound_Variation	
71	Sound Control 2 Timbre	cc_Sound_Control_2_Timbre	
72	Sound Control 3 Release	cc_Sound_Control_3_Release	
73	Sound Control 4 Attack	cc_Sound_Control_4_Attack	
74	Sound Control 5 Brightness	cc_Sound_Control_5_Brightness	
75	Sound Control 6 Decay	cc_Sound_Control_6_Decay	
76	Sound Control 7 Vibrato Rate	cc_Sound_Control_7_Vibrato_Rate	
77	Sound Control 8 Vibrato Depth	cc_Sound_Control_8_Vibrato_Depth	
78	Sound Control 9	cc_Sound_Control_9	
79	Sound Control 10	cc_Sound_Control_10	
80	General Purpose Controller 5	cc_General_Purpose_Controller_5	
81	General Purpose Controller 6	cc_General_Purpose_Controller_6	

82	General Purpose Controller 7	cc_General_Purpose_Controller_7	
83	General Purpose Controller 8	cc_General_Purpose_Controller_8	
84	Portamento Control	cc_Portamento_Control	
85	Undefined 17	cc_Undefined_17	
86	Undefined 18	cc_Undefined_18	
87	Undefined 19	cc_Undefined_19	
88	Undefined 20	cc_Undefined_20	
89	Undefined 21	cc_Undefined_21	
90	Undefined 22	cc_Undefined_22	
98	NRPN LSB	cc_NRPN_LSB	
99	NRPN MSB	cc_NRPN_MSB	
100	RPN LSB	cc_RPN_LSB	
101	RPN MSB	cc_RPN_MSB	
102	Undefined 23	cc_Undefined_23	
103	Undefined 24	cc_Undefined_24	
104	Undefined 25	cc_Undefined_25	
105	Undefined 26	cc_Undefined_26	
106	Undefined 27	cc_Undefined_27	
107	Undefined 28	cc_Undefined_28	
108	Undefined 29	cc_Undefined_29	
109	Undefined 30	cc_Undefined_30	
110	Undefined 31	cc_Undefined_31	
111	Undefined 32	cc_Undefined_32	
112	Undefined 33	cc_Undefined_33	
120	All Sound Off	cc_All_Sound_Off	
121	Reset Controllers	cc_Reset_Controllers	
122	Local Control	cc_Local_Control	
123	All Notes Off	cc_All_Notes_Off	
124	Omni Off	cc_Omni_Off	
125	Omni On	cc_Omni_On	
126	Poly Off	cc_Poly_Off	
127	Poly On	cc_Poly_On	

NRPN MAPPINGS

NRPN	HEX	DESCRIPTION	STORAGE	RANGE
0	0x0000	Portamento speed/time value	PRESET	0–65535
1	0x0001	Portamento mode (0=speed, 1=time)	PRESET	0–1
2	0x0002	Unison voice detune amount (0-100, 0-90=random spread, 90-100=Szabo morphing in 8-voice mode only)	PRESET	0–100
3	0X003	Voice drift intensity (0-100, controls amplitude, rate, and smoothing)	PRESET	0–100
4	0x0004	Unison voice count (0=2voices, 1=4voices, 2=8voices, 3=1voice mono lead)	PRESET	0–3
5	0x0005	Portamento curve type (0-3)	PRESET	0–3
8	0x0008	Portamento quantization mode (0-3)	PRESET	0–3
9	0x0009	Noise generator output level	PRESET	0–65535
12	0x000C	Effect speed/depth parameter	PRESET	0–65535
14	0x000E	VCO pulse width modulation depth	PRESET	0–65535
15	0x000F	VCO pulse width modulation speed	PRESET	0–65535
16	0x0010	Envelope generator attack time	PRESET	0–65535
17	0x0011	Envelope generator decay time	PRESET	0–65535
18	0x0012	Envelope generator sustain level	PRESET	0–65535
19	0x0013	Envelope generator release time	PRESET	0–65535
21	0x0015	Modulation generator frequency	PRESET	0–65535
22	0x0016	Modulation generator delay time	PRESET	0–65535
23	0x0017	Modulation generator output level	PRESET	0–65535
24	0x0018	Filter cutoff frequency	PRESET	0–65535
25	0x0019	Filter resonance/Q factor	PRESET	0–65535
26	0x001A	Filter envelope intensity	PRESET	-32767–32767
27	0x001B	Filter keyboard tracking amount	PRESET	0–65535
28	0x001C	Envelope generator delay time (0=no delay, 65535=~3s)	PRESET	0–65535
29	0x001D	Gate envelope attack time (shares EG attack table, 0=2ms)	PRESET	0–65535
30	0x001E	Gate envelope decay time (shares EG decay table, 0=2ms)	PRESET	0–65535
31	0x001F	Gate envelope sustain level (0=0%, 65535=100%)	PRESET	0–65535
32	0x0020	Gate envelope release time (shares EG release table, 2304=~20ms)	PRESET	0–65535
33	0x0021	Bend wheel intensity proportional to bend range	PRESET	0–65535
34	0x0022	VCO pulse width modulation LFO waveform	PRESET	—
35	0x0023	MG retrigger mode selection	PRESET	—
36	0x0024	Double preset bank selection (0=Bank A, 1=Bank B, 2=Bank C, 3=Bank D)	PRESET	—
37	0x0025	Double preset index selection (0-127)	PRESET	0–127

ENNRPN MAPPINGS (CONT'D)

38	0x0026	Chord note 0 (0=None, 1-127=MIDI note)	PRESET	0–127
39	0x0027	Chord note 1 (0=None, 1-127=MIDI note)	PRESET	0–127
40	0x0028	Chord note 2 (0=None, 1-127=MIDI note)	PRESET	0–127
41	0x0029	Chord note 3 (0=None, 1-127=MIDI note)	PRESET	0–127
42	0x002A	Chord note 4 (0=None, 1-127=MIDI note)	PRESET	0–127
43	0x002B	Chord note 5 (0=None, 1-127=MIDI note)	PRESET	0–127
44	0x002C	Chord note 6 (0=None, 1-127=MIDI note)	PRESET	0–127
45	0x002D	Chord note 7 (0=None, 1-127=MIDI note)	PRESET	0–127
46	0x002E	Portamento legato mode	PRESET	
47	0x002F	Unison voice allocation mode (0-3)	PRESET	0–3
48	0x0030	Unison envelope retrigger mode	PRESET	
49	0x0031	Keyboard transpose setting preset	PRESET	
50	0x0032	Lower preset keyboard split point (highest note, MIDI note number, 0=off)	PRESET	0–127
51	0x0033	Upper preset keyboard split point (lowest note, MIDI note number, 0=off)	PRESET	0–127
71	0x0047	VCO octave selection	PRESET	
72	0x0048	VCO waveform selection	PRESET	
73	0x0049	VCO sub-oscillator mode selection	PRESET	0–2
74	0x004A	Modulation generator waveform selection	PRESET	0–2
75	0x004B	Modulation generator routing/destination	PRESET	0–2
76	0x004C	VCA mode selection	PRESET	
77	0x004D	VCA attenuation level	PRESET	0–10
78	0x004E	Effect mode selection	PRESET	
89	0x0059	Modulation matrix bus 1 amount	PRESET	-32767–32767
90	0x005A	Modulation matrix bus 1 source selection	PRESET	
91	0x005B	Modulation matrix bus 1 destination selection	PRESET	
92	0x005C	Modulation matrix bus 2 amount	PRESET	-32767–32767
93	0x005D	Modulation matrix bus 2 source selection	PRESET	
94	0x005E	Modulation matrix bus 2 destination selection	PRESET	
95	0x005F	Modulation matrix bus 3 amount	PRESET	-32767–32767
96	0x0060	Modulation matrix bus 3 source selection	PRESET	
97	0x0061	Modulation matrix bus 3 destination selection	PRESET	
98	0x0062	Modulation matrix bus 4 amount	PRESET	-32767–32767
99	0x0063	Modulation matrix bus 4 source selection	PRESET	

NRPN MAPPINGS (CONT'D)

100	0x0064	Modulation matrix bus 4 destination selection	PRESET	
101	0x0065	Modulation matrix bus 5 amount	PRESET	-32767–32767
102	0x0066	Modulation matrix bus 5 source selection	PRESET	
103	0x0067	Modulation matrix bus 5 destination selection	PRESET	
104	0x0068	Modulation matrix bus 6 amount	PRESET	-32767–32767
105	0x0069	Modulation matrix bus 6 source selection	PRESET	
106	0x006A	Modulation matrix bus 6 destination selection	PRESET	
107	0x006B	Modulation matrix bus 7 amount	PRESET	-32767–32767
108	0x006C	Modulation matrix bus 7 source selection	PRESET	
109	0x006D	Modulation matrix bus 7 destination selection	PRESET	
110	0x006E	Modulation matrix bus 8 amount	PRESET	-32767–32767
111	0x006F	Modulation matrix bus 8 source selection	PRESET	
112	0x0070	Modulation matrix bus 8 destination selection	PRESET	
1792	0x0700	Arpeggiator enabled state	PRESET	
1793	0x0701	Arpeggiator mode (0=Up, 1=Down, 2=UpDown)	PRESET	0–7
1794	0x0702	Arpeggiator latch mode (0=on, 1=off)	PRESET	
1799	0x0707	Arpeggiator range (0=Full, 1=2 Octaves, 2=1 Octave)	PRESET	0–2
1800	0x0708	Arpeggiator swing amount (50-80)	PRESET	50–80
1801	0x0709	Arpeggiator retrigger mode (0=Legato, 1=Retrigger, 2=Stacked)	PRESET	0–2
1802	0x070A	Arpeggiator velocity pattern (0=Flat, 1=Accent2, 2=Accent4, 3=Pulse, 4=RampUp, 5=RampDown, 6=Random, 7=Custom, 8=Key)	PRESET	0–8
1803	0x070B	Arpeggiator ratchet trigger (0=Off, 1=KeyVelocity, 2=Aftertouch, 3=EveryNote, 4-10=NthNote)	PRESET	0–10
1804	0x070C	Arpeggiator ratchet count (1-4)	PRESET	1–4
1805	0x070D	Arpeggiator ratchet threshold (1-127)	PRESET	1–127
1806	0x070E	Arpeggiator end note behavior (0-3)	PRESET	0–3
1807	0x070F	Arpeggiator maximum range (0=3 Oct, 1=4 Oct, 2=5 Oct)	PRESET	0–2
1808	0x0710	Arpeggiator step length (0=1/1, 1=1/2, 2=1/4dot, 3=1/4, 4=1/8dot, 5=1/4trip, 6=1/8, 7=1/16dot, 8=1/8trip, 9=1/16, 10=1/16trip, 11=1/32)	PRESET	0–11
1809	0x0711	Arpeggiator gate time percentage (0-100)	PRESET	0–100

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NRPN MAPPINGS (CONT'D)

1810	0x0712	Arpeggiator note order (0=Normal, 1=Played, 2=Random)	PRESET	0–2
2304	0x0900	Key assign mode (0=Poly, 1=Double, 2=Unison, 3=Chord)	PRESET	
2307	0x0903	Modulation generator frequency	PRESET	0–65535
2308	0x0904	MG additional waveform selection instead of S&H	PRESET	
2309	0x0905	Modulation generator output leve	PRESET	0–65535

SYSEX PRESET DUMP MESSAGE STRUCTURE

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BYTE OFFSET	BYTES	DESCRIPTION	VALUE
0	1	System Exclusive Start	‘0xF0’
1–3	3	Manufacturer ID (Behringer)	‘0x00 0x20 0x32’
4–6	3	Device ID (Polyeight)	Device-specific
7	1	Device Instance ID	1–16
8	1	Packet Type	‘0x5F’ (Private Data)
9	1	Subpacket Type	‘0x07’ (Preset Dump Response)
10	1	Bank Index	0–3
11	1	Preset Index	0–127
12–N	Variable	Preset Parameters (see below)	See parameter table
N+1	1	Checksum	Sum of bytes mod 128
N+2	1	System Exclusive End	‘0xF7’

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SYSEX PRESET PAREMETERS

INDEX	PARAMETER NAME	TYPE	RANGE	DESCRIPTION	ENCODING
0	`prePresetName0`	char	32–126	Preset name character 0	1 byte (7-bit ASCII)
1	`prePresetName1`	char	32–126	Preset name character 1	1 byte (7-bit ASCII)
2	`prePresetName2`	char	32–126	Preset name character 2	1 byte (7-bit ASCII)
3	`prePresetName3`	char	32–126	Preset name character 3	1 byte (7-bit ASCII)
4	`prePresetName4`	char	32–126	Preset name character 4	1 byte (7-bit ASCII)
5	`prePresetName5`	char	32–126	Preset name character 5	1 byte (7-bit ASCII)
6	`prePresetName6`	char	32–126	Preset name character 6	1 byte (7-bit ASCII)
7	`prePresetName7`	char	32–126	Preset name character 7	1 byte (7-bit ASCII)
8	`prePresetName8`	char	32–126	Preset name character 8	1 byte (7-bit ASCII)
9	`prePresetName9`	char	32–126	Preset name character 9	1 byte (7-bit ASCII)
10	`prePresetName10`	char	32–126	Preset name character 10	1 byte (7-bit ASCII)
11	`prePresetName11`	char	32–126	Preset name character 11	1 byte (7-bit ASCII)
12	`prePresetName12`	char	32–126	Preset name character 12	1 byte (7-bit ASCII)
13	`prePresetName13`	char	32–126	Preset name character 13	1 byte (7-bit ASCII)
14	`prePresetName14`	char	32–126	Preset name character 14	1 byte (7-bit ASCII)
15	`prePresetName15`	char	32–126	Preset name character 15	1 byte (7-bit ASCII)
16	`prePresetVersion`	numeric	0–127	Preset format version number (increment when preset structure changes)	1 byte (7-bit)
17	`preVCOOctave`	numeric	0–127	VCO octave selection	1 byte (7-bit)
				Enum Values: - `LOW` = 0 - `MID` = 1 - `HIGH` = 2	
18	`preVCOWaveform`	numeric	0–127	VCO waveform selection	1 byte (7-bit)
				Enum Values: - `SAWTOOTH` = 0 - `PULSE` = 1 - `PWM` = 2	
19	`preVCO_pulseWidth`	numeric	0–16383	VCO pulse width modulation depth	2 bytes (7-bit LSB + 7-bit MSB)
20	`preVCO_pwmSpeed`	numeric	0–16383	VCO pulse width modulation speed	2 bytes (7-bit LSB + 7-bit MSB)
21	`preVCO_pwmWaveform`	numeric	0–127	VCO pulse width modulation LFO waveform	1 byte (7-bit)
				Enum Values: - `TRIANGLE` = 0 - `SAWTOOTH` = 1 - `REVERSE_SAWTOOTH` = 2 - `SQUARE` = 3 - `SINE` = 4 - `SAMPLE_AND_HOLD` = 5	
22	`preVCO_subOscMode`	numeric	0–2	VCO sub-oscillator mode selection	1 byte (7-bit)
23	`preVCFcutoff`	numeric	0–16383	Filter cutoff frequency	2 bytes (7-bit LSB + 7-bit MSB)
24	`preVCFresonance`	numeric	0–16383	Filter resonance/Q factor	2 bytes (7-bit LSB + 7-bit MSB)
25	`preVCFegIntensity`	numeric	-8192–8191	Filter envelope intensity	2 bytes (7-bit LSB + 7-bit MSB)
26	`preVCFkbTrack`	numeric	0–16383	Filter keyboard tracking amount	2 bytes (7-bit LSB + 7-bit MSB)
27	`preVCAMode`	numeric	0–127	VCA mode selection	1 byte (7-bit)
				Enum Values: - `GATE` = 0 - `EG` = 1	
28	`preVCAAttenuator`	numeric	0–10	VCA attenuation level	1 byte (7-bit)
29	`preGateDelay`	numeric	0–16383	Gate envelope delay time (shares EG delay table, 0=no delay, 65535=~3s)	2 bytes (7-bit LSB + 7-bit MSB)
30	`preGateAttack`	numeric	0–16383	Gate envelope attack time (shares EG attack table, 0=2ms)	2 bytes (7-bit LSB + 7-bit MSB)
31	`preGateDecay`	numeric	0–16383	Gate envelope decay time (shares EG decay table, 0=2ms)	2 bytes (7-bit LSB + 7-bit MSB)
32	`preGateSustain`	numeric	0–16383	Gate envelope sustain level (0=0%, 65535=100%)	2 bytes (7-bit LSB + 7-bit MSB)
33	`preGateRelease`	numeric	0–16383	Gate envelope release time (shares EG release table, 2304=~20ms)	2 bytes (7-bit LSB + 7-bit MSB)
34	`preMGFrequency`	numeric	0–16383	Modulation generator frequency	2 bytes (7-bit LSB + 7-bit MSB)
35	`preMGWaveform`	numeric	0–2	Modulation generator waveform selection	1 byte (7-bit)

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SYSEX PRESET PAREMETERS (CONT'D)

36	`preMGDelay`	numeric	0–16383	Modulation generator delay time	2 bytes (7-bit LSB + 7-bit MSB)
37	`preMGLevel`	numeric	0–16383	Modulation generator output level	2 bytes (7-bit LSB + 7-bit MSB)
38	`preMGModulation`	numeric	0–2	Modulation generator routing/destination	1 byte (7-bit)
39	`preMGAdditionalWaveform`	numeric	0–127	MG additional waveform selection instead of S&H	1 byte (7-bit)
				Enum Values: - `SAMPLE_AND_HOLD` = 0 - `SINE` = 1 - `SQUARE` = 2 - `REVERSE_SAWTOOTH` = 3	
40	`preMGRetrigger`	numeric	0–127	MG retrigger mode selection	1 byte (7-bit)
				Enum Values: - `DISABLED` = 0 - `ENABLED` = 1	
41	`preEGDelay`	numeric	0–16383	Envelope generator delay time (0=no delay, 65535=~3s) 2 bytes (7-bit LSB + 7-bit MSB)	
42	`preEGAttack`	numeric	0–16383	Envelope generator attack time	2 bytes (7-bit LSB + 7-bit MSB)
43	`preEGDecay`	numeric	0–16383	Envelope generator decay time	2 bytes (7-bit LSB + 7-bit MSB)
44	preEGSustain	numeric	0–16383	Envelope generator sustain level	2 bytes (7-bit LSB + 7-bit MSB)
45	preEGRRelease	numeric	0–16383	Envelope generator release time	2 bytes (7-bit LSB + 7-bit MSB)
46	preNoiseLevel	numeric	0–16383	Noise generator output level	2 bytes (7-bit LSB + 7-bit MSB)
47	preEfxMode	numeric	0–127	Effect mode selection	1 byte (7-bit)
				Enum Values: False=0, CHORUS=1, DELAY=2, REVERB=3	
48	preEfxSpeed	numeric	0–16383	Effect speed/depth parameter	2 bytes (7-bit LSB + 7-bit MSB)
49	preM1Amount	numeric	-8192–8191	Modulation matrix bus 1 amount	2 bytes (7-bit LSB + 7-bit MSB)
50	preM1Source	numeric	0–127	Modulation matrix bus 1 source selection	1 byte (7-bit)
51	preM1Destination	numeric	0–127	Modulation matrix bus 1 destination selection	1 byte (7-bit)
52	preM2Amount	numeric	-8192–8191	Modulation matrix bus 2 amount	2 bytes (7-bit LSB + 7-bit MSB)
53	preM2Source	numeric	0–127	Modulation matrix bus 2 source selection	1 byte (7-bit)
54	preM2Destination	numeric	0–127	Modulation matrix bus 2 destination selection	1 byte (7-bit)
55	preM3Amount	numeric	-8192–8191	Modulation matrix bus 3 amount	2 bytes (7-bit LSB + 7-bit MSB)
56	preM3Source	numeric	0–127	Modulation matrix bus 3 source selection	1 byte (7-bit)
57	preM3Destination	numeric	0–127	Modulation matrix bus 3 destination selection	1 byte (7-bit)
58	preM4Amount	numeric	-8192–8191	Modulation matrix bus 4 amount	2 bytes (7-bit LSB + 7-bit MSB)
59	preM4Source	numeric	0–127	Modulation matrix bus 4 source selection	1 byte (7-bit)
60	preM4Destination	numeric	0–127	Modulation matrix bus 4 destination selection	1 byte (7-bit)
61	preM5Amount	numeric	-8192–8191	Modulation matrix bus 5 amount	2 bytes (7-bit LSB + 7-bit MSB)
62	preM5Source	numeric	0–127	Modulation matrix bus 5 source selection	1 byte (7-bit)
63	preM5Destination	numeric	0–127	Modulation matrix bus 5 destination selection	1 byte (7-bit)
64	preM6Amount	numeric	-8192–8191	Modulation matrix bus 6 amount	2 bytes (7-bit LSB + 7-bit MSB)
65	preM6Source	numeric	0–127	Modulation matrix bus 6 source selection	1 byte (7-bit)
66	preM6Destination	numeric	0–127	Modulation matrix bus 6 destination selection	1 byte (7-bit)
67	preM7Amount	numeric	-8192–8191	Modulation matrix bus 7 amount	2 bytes (7-bit LSB + 7-bit MSB)
68	preM7Source	numeric	0–127	Modulation matrix bus 7 source selection	1 byte (7-bit)
69	preM7Destination	numeric	0–127	Modulation matrix bus 7 destination selection	1 byte (7-bit)
70	preM8Amount	numeric	-8192–8191	Modulation matrix bus 8 amount	2 bytes (7-bit LSB + 7-bit MSB)
71	preM8Source	numeric	0–127	Modulation matrix bus 8 source selection	1 byte (7-bit)
72	preM8Destination	numeric	0–127	Modulation matrix bus 8 destination selection	1 byte (7-bit)
73	preBendIntensity	numeric	0–16383	Bend wheel intensity proportional to bend range	2 bytes (7-bit LSB + 7-bit MSB)
74	preKeyAssignMode	numeric	0–127	Key assign mode (0=Poly, 1=Double, 2=Unison, 3=Chord)	1 byte (7-bit)
				Enum Values: POLY=0, DOUBLE=1, UNISON=2, CHORD=3	
75	preDoublePresetBank	numeric	0–127	Double preset bank selection (0=Bank A, 1=Bank B, 2=Bank C, 3=Bank D)	1 byte (7-bit)

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SYSEX PRESET PAREMETERS (CONT'D)

				Enum Values: BANK_A=0, BANK_B=1, BANK_C=2, BANK_D=3	
76	preDoublePresetIndex	numeric	0–127	Double preset index selection	1 byte (7-bit)
77	preChordNote0	numeric	0–127	Chord note 0 (0=None, 1-127=MIDI note)	1 byte (7-bit)
78	preChordNote1	numeric	0–127	Chord note 1 (0=None, 1-127=MIDI note)	1 byte (7-bit)
79	preChordNote2	numeric	0–127	Chord note 2 (0=None, 1-127=MIDI note)	1 byte (7-bit)
80	preChordNote3	numeric	0–127	Chord note 3 (0=None, 1-127=MIDI note)	1 byte (7-bit)
81	preChordNote4	numeric	0–127	Chord note 4 (0=None, 1-127=MIDI note)	1 byte (7-bit)
82	preChordNote5	numeric	0–127	Chord note 5 (0=None, 1-127=MIDI note)	1 byte (7-bit)
83	preChordNote6	numeric	0–127	Chord note 6 (0=None, 1-127=MIDI note)	1 byte (7-bit)
84	preChordNote7	numeric	0–127	Chord note 7 (0=None, 1-127=MIDI note)	1 byte (7-bit)
85	prePortaMode	numeric	0–1	Portamento mode (0=speed, 1=time)	1 byte (7-bit)
86	prePortaQuantization	numeric	0–3	Portamento quantization mode	1 byte (7-bit)
87	prePortaLegato	boolean		Portamento legato mode	
91	preUnisonAllocation	numeric	0–3	Unison voice allocation mode	1 byte (7-bit)
92	preUnisonRetrigger	boolean		Unison envelope retrigger mode	
93	preUnisonDetune	numeric	0–100	Unison voice detune amount (0-100, 0-90=random spread, 90-100=Szabo morphing in 8-voice mode only)	1 byte (7-bit)
94	preUnisonDrift	numeric	0–100	Voice drift intensity (0-100, controls amplitude, rate, and smoothing)	1 byte (7-bit)
95	preArpEnabled	boolean		Arpeggiator enabled state	
96	preArpMode	numeric	0–7	Arpeggiator mode (0=Up, 1=Down, 2=UpDown)	1 byte (7-bit)
97	preArpRange	numeric	0–2	Arpeggiator range (0=Full, 1=2 Octaves, 2=1 Octave)	1 byte (7-bit)
98	preArpLatch	boolean		Arpeggiator latch mode (0=on, 1=off)	
99	preArpStepLength	numeric	0–11	Arpeggiator step length (0=1/1, 1=1/2, 2=1/4dot, 3=1/4, 4=1/8dot, 5=1/4trip, 6=1/8, 7=1/16dot, 8=1/8trip, 9=1/16, 10=1/16trip, 11=1/32)	1 byte (7-bit)
100	preArpGateTime	numeric	0–100	Arpeggiator gate time percentage	1 byte (7-bit)
101	preArpNoteOrder	numeric	0–2	Arpeggiator note order (0=Normal, 1=Played, 2=Random)	1 byte (7-bit)
102	preArpSwingAmount	numeric	50–80	Arpeggiator swing amount	1 byte (7-bit)
103	preArpRetriggerMode	numeric	0–2	Arpeggiator retrigger mode (0=Legato, 1=Retrigger, 2=Stacked)	1 byte (7-bit)
104	preArpVelocityPattern	numeric	0–8	Arpeggiator velocity pattern (0=Flat, 1=Accent2, 2=Accent4, 3=Pulse, 4=RampUp, 5=RampDown, 6=Random, 7=Custom, 8=Key)	1 byte (7-bit)
105	preArpRatchetTrigger	numeric	0–10	Arpeggiator ratchet trigger (0=Off, 1=KeyVelocity, 2=Aftertouch, 3=EveryNote, 4-10=NthNote)	1 byte (7-bit)
106	preArpRatchetCount	numeric	1–4	Arpeggiator ratchet count	1 byte (7-bit)
107	preArpRatchetThreshold	numeric	1–127	Arpeggiator ratchet threshold	1 byte (7-bit)
108	preArpEndNotes	numeric	0–3	Arpeggiator end note behavior	1 byte (7-bit)
109	preArpMaxRange	numeric	0–2	Arpeggiator maximum range (0=3 Oct, 1=4 Oct, 2=5 Oct)	1 byte (7-bit)
110	preKeyboardTranspose	numeric	0–127	Keyboard transpose setting	1 byte (7-bit)
				Enum Values: Up=0, Normal=1, Down=2, DontCare=3	
111	preLowerPresetSplit	numeric	0–127	Lower preset keyboard split point (highest note, MIDI note number, 0=off)	1 byte (7-bit)
112	preUpperPresetSplit	numeric	0–127	Upper preset keyboard split point (lowest note, MIDI note number, 0=off)	1 byte (7-bit)
113	preDriftAllModes	boolean		Enable drift in all voice modes (false=unison only, true=poly/double/all modes)	
114	preVCOPwmSpeedRange	numeric	0–127	PWM generator speed range selection	1 byte (7-bit)
				Enum Values: NORMAL=0, SLOW=1	

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SYSEX PRESET PAREMETERS (CONT'D)

115	preVCOPwmRetrigger	numeric	0–127	PWM generator retrigger mode selection	1 byte (7-bit)
				Enum Values: DISABLED=0, ENABLED=1	
116	preModWheel	numeric	0–16383	Current modulation wheel value	2 bytes (7-bit LSB + 7-bit MSB)

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FEDERAL COMMUNICATIONS
COMMISSION COMPLIANCE
INFORMATION

Behringer

Polyeight

Responsible Party Name: **Empower Tribe
Innovations US Inc.**

Address: **901 Grier Dr. Las Vegas,
NV, 89119, USA**

Email Address: **governance@empowertribe.com**

Polyeight

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Important information:

Changes or modifications to the equipment not expressly approved by Music Tribe can void the user’s authority to use the equipment.



Hereby, Music Tribe declares that this product is in compliance with Directive 2014/35/EU, Directive 2014/30/EU, Directive 2011/65/EU and Amendment 2015/863/EU, Directive 2012/19/EU, Regulation 519/2012 REACH SVHC and Directive 1907/2006/EC.

Full text of EU DoC is available at <https://community.musictribe.com/>

EU Representative: Empower Tribe Innovations DE GmbH
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UK Representative: Empower Tribe Innovations UK Ltd.
Address: 5 Brindley Road Old Trafford, Manchester, United Kingdom, M16 9UN



Correct disposal of this product: This symbol indicates that this product must not be disposed of with household waste, according to the WEEE Directive (2012/19/EU) and your national law. This product should be taken to a collection center licensed for the recycling of waste electrical and electronic equipment (EEE). The mishandling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the efficient use of natural resources. For more information about where you can take your waste equipment for recycling, please contact your local city office, or your household waste collection service.

User Manual



POLYEIGHT

Classic Analog 8-Voice Programmable Polyphonic Synthesizer with 2044 VCFs, BBD Effects and 49-Key Aftertouch Keyboard