



electric-harmonix POLYXO Polychorus Analog Electro Harmonix User Manual

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STEREO POLYCHORUS XO

ANALOG FLANGE/CHORUS

Congratulations on your purchase of the multi-purpose Stereo Polychorus. Carefully reading these instructions will ensure full use of the tremendous variety of superb effects, which have been engineered into this state-of-the-art device.

WARNING: Your Stereo Polychorus XO comes equipped with an Electro-Harmonix 9.6DC-200BI power supply (same as used by Boss® & Ibanez®: 9.6 VDC/200 mA). The Stereo Polychorus XO requires 110 mA at 9VDC with a center-negative plug. The Stereo Polychorus does not take batteries. Using the wrong adapter may damage your unit and void the warranty.

The **STEREO POLYCHORUS**'s four switch-selectable modes are:

FILTER MATRIX- A comb filter, which creates “chime” effects. In this mode, you can sweep the TUNE knob manually for “custom” flanging. **FLANGE** A sweeping comb filter that creates a variety of modulation effects and

whooshing sounds.

CHORUS- A sweeping echo for moving sounds such as “12 string guitar” and rotating speaker effects.

DOUBLE TRACK- A short-delay echo for spacious “stage effects”.

Plug the supplied AC adapter supplied into your Polychorus. Connect your instrument or microphone to the INPUT jack and your amplifier to the MAIN OUT jack (for an amazing stereo effect, connect a second amplifier to OUTPUT 2 simultaneously).

Press the BYPASS FOOTSWITCH to engage the effect. The status LED located above the footswitch will light up. Press the footswitch again to switch back to bypass mode, the LED shuts off.

FILTER MATRIX– Select FILTER MATRIX mode. The TUNE control will shift the effect from a high airy tone clockwise (CW) to a rich tone counterclockwise (CCW). While the RATE control has no effect in this mode, turning the TUNE control will produce a manual or “custom” flange. The FEEDBACK control determines how much of the processed signal is mixed in or “fed back” to the input. In FILTER MATRIX, turning FEEDBACK CW will “sharpen” or increase the intensity of the effect. CAUTION: In the extreme CW position the FEEDBACK control may cause oscillation, a squealing or roaring sound. This is normal and may be stopped by backing off the FEEDBACK control.

FLANGE – Turn the MODE switch to the FLANGE position. The RATE control determines how fast the comb filter sweeps up and down through its pitch range. Turned fully CW, the frequency is about ten cycles per second. Turned fully CCW, the sweep is slow, about one cycle every ten seconds. The pitch range of the sweep is set by the combined action of the WIDTH and TUNE knobs: The TUNE control sets the center frequency, and the WIDTH control determines how far the sweep goes. Maximum TUNE range is obtained by setting the WIDTH knob fully CW. The FEEDBACK knob also operates as in FILTER MATRIX.

CHORUS – When CHORUS mode is selected, the FEEDBACK knob determines the number of echoes: CCW for a single repeat, CW for more. The TUNE control will increase the delay time of the echo as it is turned CW. The WIDTH control maximizes the delay range of the TUNE control in its CW position and emphasizes the modulating character of the CHORUS effect as it is turned more CW. The RATE control operates as in FLANGE.

DOUBLE TRACK In this mode, all controls operate as in CHORUS mode, except that this is purely an echo effect and the RATE control is disengaged.

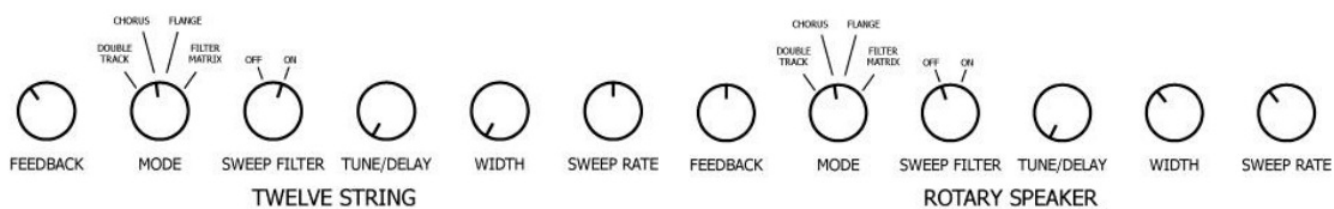
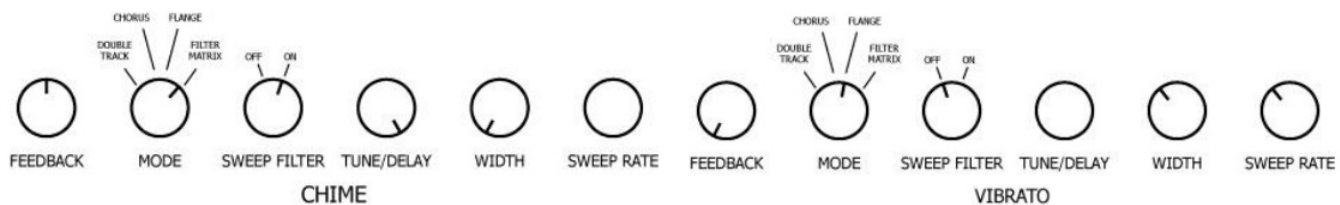
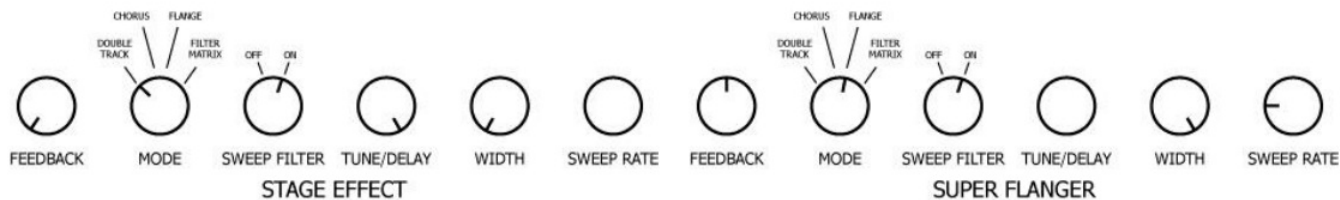
SWEEP FILTER When set to ON, gives a smoother well rounded sound with a “liquid” sensation, if you set your unit to a very slow flange effect it is recommended to turn this off.

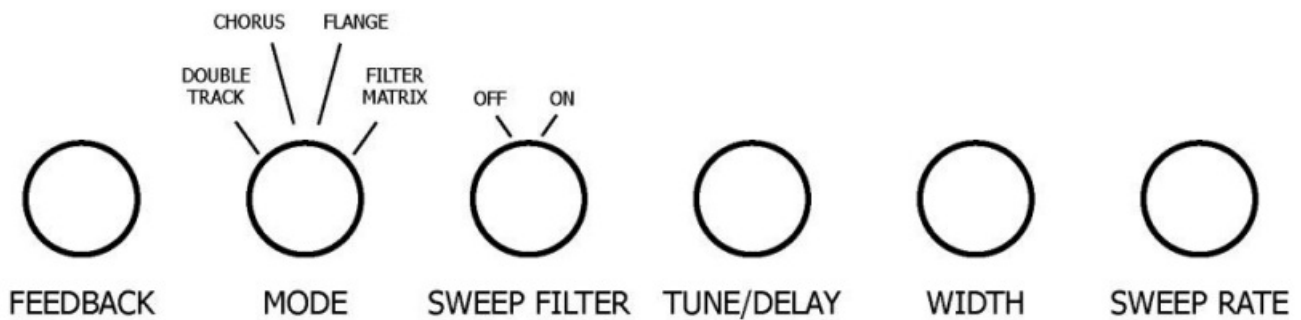
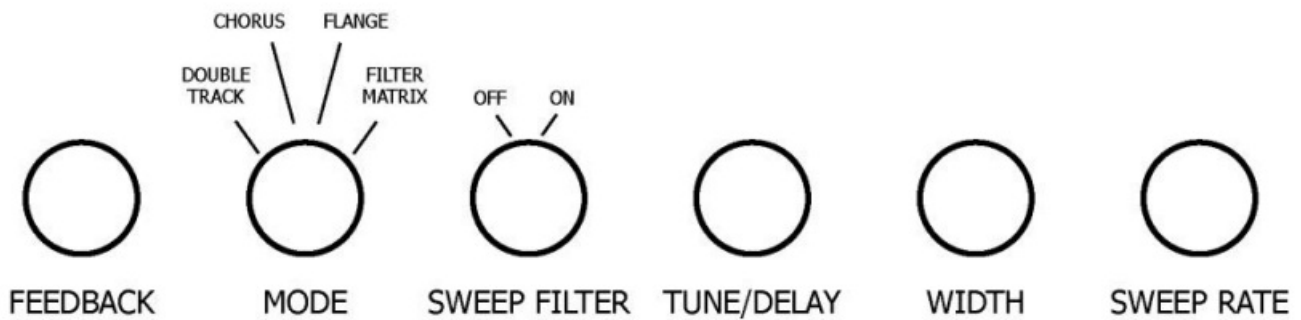
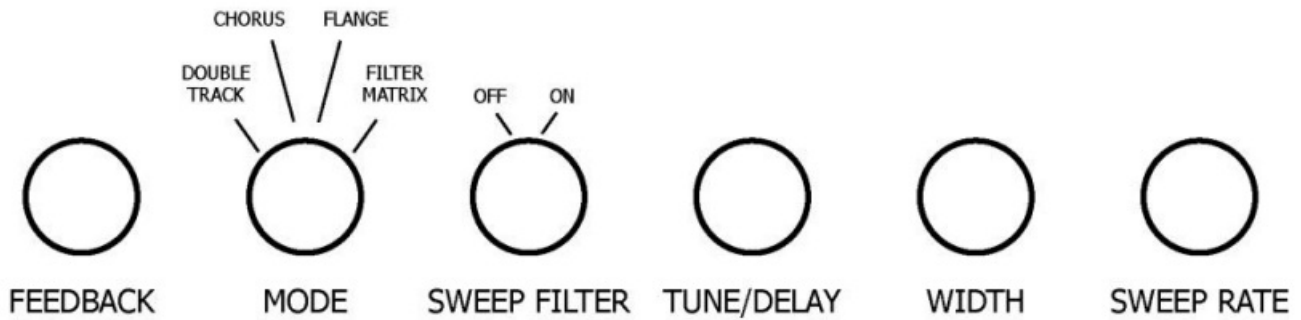
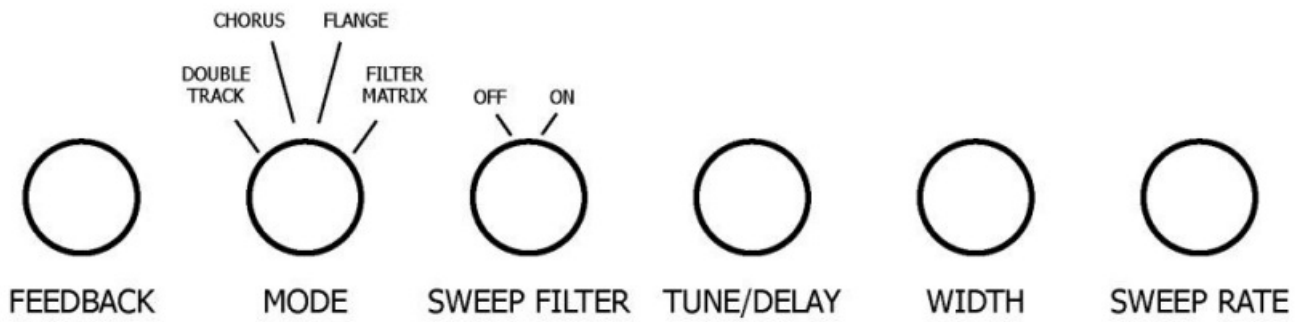
MAIN OUT & OUTPUT 2 MAIN OUT is for standard effect usage. For a total spacious stereo effect, connect OUTPUT 2 to a second amplifier or a second channel on the same amplifier.

9V PWR JACK Connect the output plug of the supplied AC Adapter into the 9V power jack at the top of the Stereo Polychorus. The Stereo Polychorus draws 110 mA of current from 9 VDC. The polarity of the power jack is center negative. The maximum allowable power supply voltage is 12.0 VDC.

Use the following diagrams to quickly set up several of the basic dramatic effects of the STEREO POLYCHORUS.

When you have created these sounds, you will be ready to tailor your own special settings of the **STEREO POLYCHORUS**’s many possibilities.





– WARRANTY INFORMATION –

Please register online at <http://www.ehx.com/product-registration> or complete and return the enclosed warranty card within 10 days of purchase. Electro-Harmonix will repair or replace, at its discretion, a product that fails to operate due to defects in materials or workmanship for a period of one year from the date of purchase.

This applies only to original purchasers who have bought their product from an authorized Electro-Harmonix retailer. Repaired or replaced units will then be warranted for the unexpired portion of the original warranty term. If you should need to return your unit for service within the warranty period, please contact the appropriate office listed below. Customers outside the regions listed below, please contact EHX Customer Service for information on warranty repairs at info@ehx.com or +1-718-937-8300. USA and Canadian customers: please obtain a Return Authorization Number (RA#) from EHX Customer Service before returning your product. Include with your returned unit: a written description of the problem as well as your name, address, telephone number, e-mail address, and RA#; and a copy of your receipt clearly showing the purchase date.

The United States & Canada

EHX CUSTOMER SERVICE

ELECTRO-HARMONIX

c/o NEW SENSOR CORP.

47-50 33RD STREET LONG ISLAND CITY,

NY 11101 Tel: 718-937-8300

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13 CWMDONKIN TERRACE

SWANSEA SA2 0RQ

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Email: electroharmonixuk@virginmedia.com

This warranty gives a purchaser specific legal rights. A purchaser may have even greater rights depending upon the laws of the jurisdiction within which the product was purchased.

To hear demos on all EHX pedals visit us on the web at www.ehx.com

Email us at info@ehx.com

– FCC COMPLIANCE –

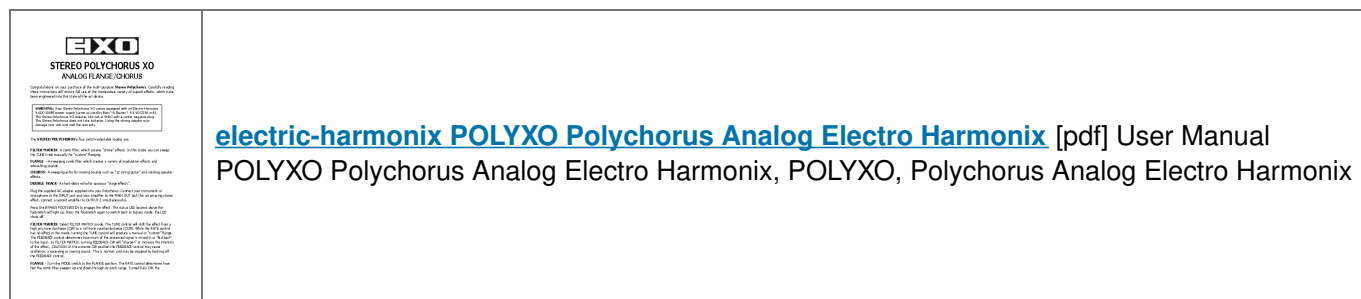
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. If the device is not installed and used in accordance with the instructions, it may cause harmful interference to radio communications and void the user's authority to guarantee the equipment.

Note: 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.

Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules.

Documents / Resources



STEREO POLYCHORUS XC

computations on any subset of the multi-purpose theme hypotheses (possibly making these evaluations all occur for all of the thousands variety of input effects, which have been experimentally fit to data of the all data).

WARNING: The StereoPhonics 30 system equipped with an Electric Harmonic 4000 (EH4000) power supply (also known as the E-Series) is a Class II medical device. The StereoPhonics 30 system is not to be used with a cardiac resuscitation pump. The StereoPhonics 30 does not fall within the scope of the CE marking. Using the system without proper training and not following the warranty.

FLUOR FINGER - A pink filter, which creates "dream" effects. It'll make you see even the UAE look normally for "Arabian" Ramping.

DOUBLE TRACE - As hard delay reverb for spacious "stage effects".

Press the **RTN/MS** **POFF/ON** **BT** to engage the effect. The status LED located above the footswitch will light up. Press the footswitch again to switch back to bypass mode. The LED will shut off.

FILTER PARAMETER: Select FILTER PARAMETER mode. The FINE control will shift the effect from a high airway resistance (HAR) to a no-flow resistance (NFR). While the FINE control has no effect in this mode, turning the FINE control will produce a "neutral" or "butter" shape. The RESISTANCE control determines how much of the pressure signal is measured or "fed back" to the input. In FILTER PARAMETER, turning RESISTANCE ON will "shape" or increase the intensity of the effect. [Click here](#) to see the effect of the RESISTANCE control on the effect.

FEEDBACK - Turn the **FEED** switch to the **FEEDBACK** position. The **FEED** control determines the amount of feedback which is given to the **FEEDBACK** control.

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POLYXO Polychorus Analog Electro Harmonix, POLYXO, Polychorus Analog Electro Harmonix

References

Manuals+.