

electro-harmonix

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 which 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 **true bypass** mode, the LED will shut 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.

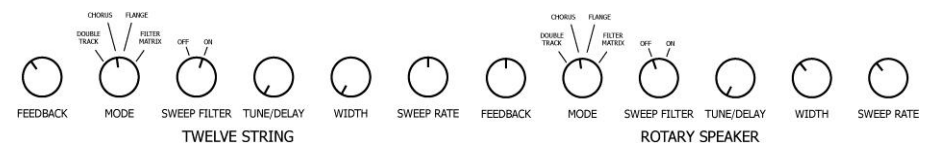
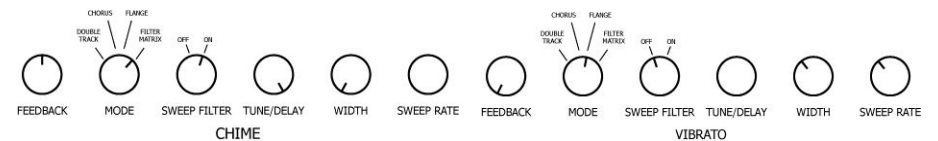
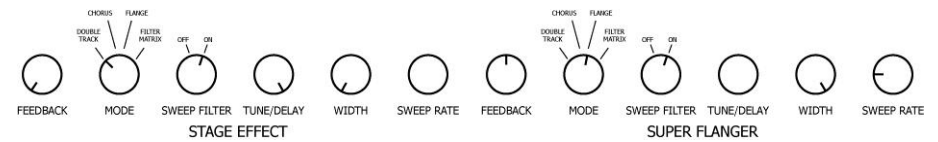
DOUBLE TRACK – In this mode, all controls operate as in CHORUS mode, except that this is purely an echo effect and the RATE control is disengaged.

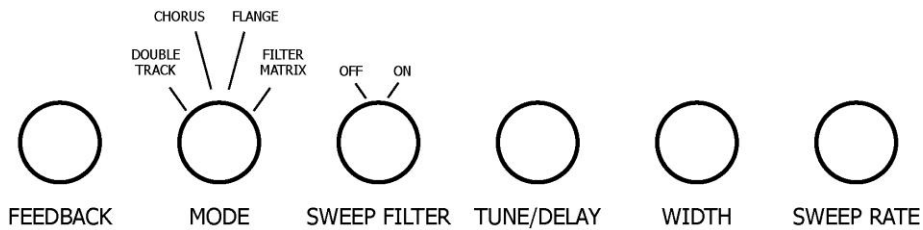
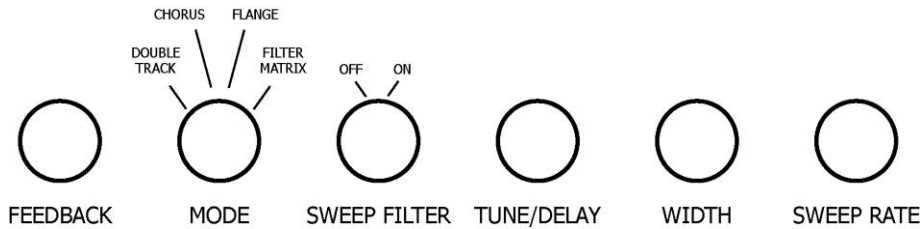
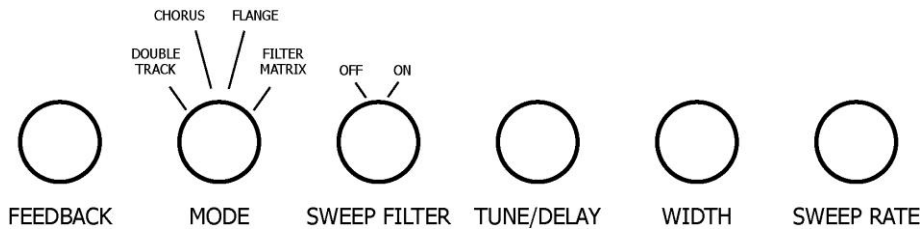
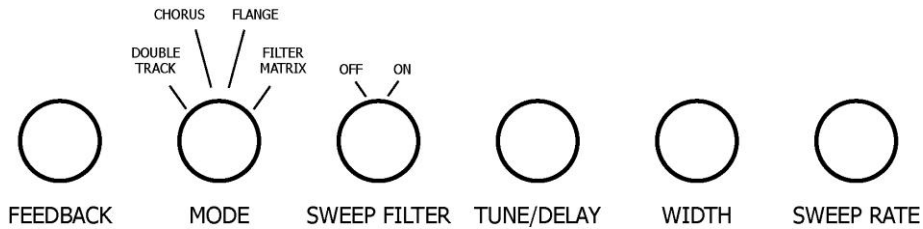
SWEEP FILTER – When set to ON, gives a smoother well rounded sound with a "liquid" sensation, if you set your unit to a very slow flange effect it is recommended to turn this off.

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.





- FCC COMPLIANCE -

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.