

electro-harmonix

STEREO POLYCHORUS

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: Use only 24V/100mA tip-positive power adapter the Stereo Polychorus comes supplied with. Using the wrong adapter can cause serious bodily injury. Using the wrong adapter may also damage your unit and will void the warranty

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

FILTER MATRIX- A comb filter, which creates "chime" effects, can be swept manually for "custom" flanging.

CHORUS- A sweeping echo for moving, multiplies sounds such as "12 string guitar" and rotating speaker effects.

DOUBLE TRACK- A Short-delay echo for spacious "stage" effects".

Plug your Polychorus in using the adapter supplied. Connect your instrument or microphone to the INPUT jack and your amplifier to the OUTPUT jack (for amazing stereo effect connect a second amplifier to the OUTPUT2 simultaneously).

Slide the POWER switch on so the LED lights up. Press the BYPASS FOOTSWITCH to engage effect.

FILTER MATRIX- Select the 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, manually sweeping the TUNE control will produce a "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 the control 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 combines action of the WIDTH and TUNE controls: The TUSE control sets the center frequency, and the WIDTH control determines how far the sweep goes. Maximum TUNE range is obtained by setting the WIDTH control fully CW. The FEEDBACK control also operates as in FILTER MATRIX.

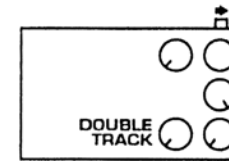
CHORUS - When the CHORUS mode is selected the FEEDBACK control determines the number of echoes: CCW for a single repeat, CW for more. The TUNE control will increase the delay time of the echo as it is turned CCW. The WIDTH control maximizes the delay range of the TUNE control in its CCW position, and emphasizes the flanging 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 the CHORUS position, except that this is purely an echo effect and the RATE control is disengaged.

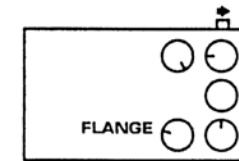
SWEEP FILTER – When on gives a smoother well rounded sound with a "liquid" sensation, if you set your unit to a very slow flange effect it is recommended to turn this off.

OUTPUT & OUTPUT 2 – OUTPUT is for standard effect usage. For total spacious stereo effect connect the OUPUT2 to a second amplifier or a second channel on the same amplifier.

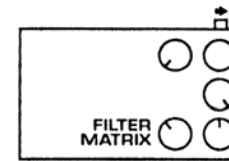
Use the following diagrams to quickly set up several of the basic dramatic effects of the STEREO POLYCHORUS. When you have created these sounds, you will be ready to tailor your own special settings of the STEREO POLYCHORUS's many possibilities.



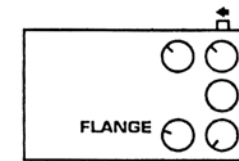
STAGE EFFECT



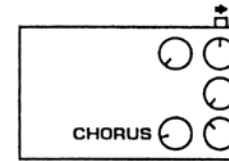
SUPER FLANGER



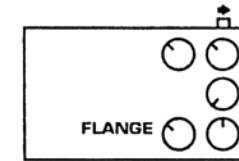
CHIME



VIBRATO



TWELVE-STRING



ROTARY SPEAKER