

## INSTRUCTIONS FOR USE OF "SOUND ON SOUND" ECHOPLEX

1. Make the first recording with the switch in "Echo" position, the normal way.
2. Next, throw switch to "Sound on Sound" position. . .the original recording will be played back and re-recorded at the same time. You may now add another recording while listening. You may repeat this procedure and record each time to add as many recordings as you wish.
3. If you wish to listen only, and practice before recording, press play back foot switch inserted into play back jack. You will not be recording or erasing during this time.
4. "Echo" Repeats Control is not operative during the "Sound on Sound" recordings.

## INSTRUCTIONS FOR USE OF THE ECHOPLEX

Echoplex, product of careful design engineering, endorsed by the leading musicians, will enhance the musicians artistry.

### POWER SOURCE

The Echoplex may be damaged if connected to an incorrect power source. Use only with a.c. 60 cycle, 105/125 volts. Starting procedure: Connect cord to power source. Turn on the Echo Repeats knob. Allow half minute warm up, longer if just brought in from cold outside weather. This extra time necessary for cold condensation to disappear. If motor fails to start which is possible if unit has been roughly handled in shipment we suggest that you slap sides of cabinet vigorously while power is on. This slapping will re-align bearings. Next, plug Echoplex OUTPUT cord into INPUT jack of your amplifier. Connect into #1 INPUT. This starts tape movement.

### RECORD LEVEL ADJUSTMENT

Adjust record level of the Echoplex to match output of your guitar. (Remove round plug marked Record Level, and turn slotted screw inside.) This adjustment is very necessary. If the volume setting is TOO LOW you will get a weak recording, resulting in a poor signal to noise ratio. This Low Recording Level would force you to turn up your amplifier volume level to a level which would cause "hiss" and tube noise would be objectionable. However, a HIGH output guitar must be compensated for. It may cause an overloaded and distorted recording. DIRECTIONS TO ADJUST: Remove plug which covers screw adjustment. Turn Echo Repeats control to #1 position. Turn Instrument/Echo Balance Control to RIGHT. In this position you will hear only what is recorded. Next, strum two strings of your Guitar. If distortion occurs turn screw adjustment to the LEFT slowly, until distortion is gone. If ECHO is weak turn adjustment screw to RIGHT until you hear guitar tones strong and without distortion. As long as you use the same instrument on the same Echoplex one adjustment properly made should suffice

### VOLUME (MIXER) CONTROL

For Balancing and Choosing Between Instrument and Echo Sound

Set Echo Repeats Control to #1 position.

Set Volume (Mixer) Instrument/Echo Control to left.

Pluck one string. What you hear is straight through sound. Keep plucking the string and slowly turn Volume knob clockwise. You will begin to hear an echo sound introduced into the guitar original sound. As you continue to turn knob to the right you will hear an increase in echo volume and a decrease in the straight through sound. Finally you will hear only the recorded, or echo sound.

### ECHO REPEATS CONTROL

To increase number of Echoes following the straight through Sound.

To select desired number of echo repeats mute the guitar strings. . .staccato. . .so as to make a short sound. As you turn Echo Repeats knob to the right you will hear the number of echo repeats increasing to the point where they take over and "run away" or feed back. This setting is of no value to you. This EXTRA POWER is there only to compensate when tape heads become worn or cleaning has been neglected. In your setting. . . when you come to the "run away". . .back off. . .turn control to the left. . .until the "run away" is corrected.

## **ECHO On/Off CONTROL**

Provided to turn Echo on/off as desired, by foot switch. Plug Foot Switch into ECHO/ON/OFF. Depress foot switch button for on/off action.

## **SPEED OF ECHO DELAY CONTROL**

Located on Top Cover. Longest echo "delay" achieved when pointer is over "zero". Delay shortens as pointer is moved to the right. Reverberation indicated. For greater reverb turn Echo/Repeats control to right.

## **PLAYBACK FEATURE**

Only the Echoplex enables you to record, and playback two minutes of recorded material. To use the Playback feature plug Foot Switch into Playback jack. By alternating switch button on pedal you can rotate between recording and playback instantaneously. When light on panel glows you are in "recording" position. The playback feature enables you to record and playback in accompaniment. Chords will play over and over until you switch foot pedal control.

## **ECHO CHAMBER EFFECTS FOR VOCALISTS**

Plug the OUTPUT cord of Echoplex into microphone amplifier. Plug the microphone into #1 INPUT of Echoplex. Use controls as explained. Many unusual effects can be secured as you master the Echoplex technique.

## **CARE OF THE ECHOPLEX**

As is true of all tape recorders it is necessary to clean tape heads, capstan and roller, regularly for best results. . .and achieve maximum echo/playback. Cleaning parts is easy. Remove Cover. Remove tape from between heads, guides and rollers. Use alcohol and cotton cue stick to swab parts. TAKE CARE TO AVOID GETTING FLUID ON TAPE. Allow parts to dry a few seconds then replace tape. Follow diagram printed for path of tape. Allow tape to run a few minutes to be sure that position is correct. Replace Cover. Remember. . . loss of brilliance. . .echo repeats. . .playback. . .depends on you.

## **SPARE TAPE CARTRIDGES**

ECHOPLEX TAPE CARTRIDGES are available at your Dealer. Keep a spare handy with your Echoplex Unit. Cartridges can be changed in a moment. A step by step explanation of installation moves involved in cartridge replacement is contained in the spare tape cartridge carton. A diagram on the carton illustrates path of tape.

## **SHIPMENTS TO SERVICE DEPARTMENT**

In shipping your Echoplex back to the factory service department as instructed by your music dealer be sure that care is taken to carefully pack the Echoplex with padding on all sides, in an adequate carton. Be sure to send prepaid and insured. Light crumpled newspapers make good packing material. Where possible indicate in a note what your difficulty with use of the Echoplex has been.

Service Factory:

**MARKET ELECTRONICS CO.**  
**4614 Prospect Avenue**  
**Cleveland, Ohio 44103**  
**Phone: 361-7484**