X-11
USER GUIDE

INTRODUCTION

Congratulations! You have just purchased one of the finest MIDI foot control devices on the market today. Intense research and ergonomic design has been combined to produce a MIDI controller that is easy to use and will stand up to the abuses of live performance.

The ART X-11 MIDI MASTERCONTROL is a MIDI foot controller capable of sending MIDI Program Message Changes to any MIDI controlled device. MIDI Program Message numbers 0 thru 127 are sent in ascending order. The Program numbers are displayed as preset (or patch) numbers 1 thru 128. Midi Program Message 0 is represented by preset (patch) number 1.

The presets (patches) are configured in twenty-six banks of five presets. In the last bank, two footpads do not recall a preset because MIDI does not allow preset 129 and 130 to exist.

The X-11 is a simple device to use extending the flexibility of any MIDI controlled device. For instructions on how to implement and use the X-11 in your system, please read and refer to the rest of this manual.

CONNECTIONS

Only two connections made to the rear of the X-11 are needed for operation. The only accessories you will need to use the MIDI pedal are the supplied battery eliminator and your own MIDI cable.

Connect the power connector to the X-11 first and then plug the adapter into a proper power outlet.

Connect the MIDI cable to the 5 pin MIDI jack on the X-11 and then to the MIDI in jack of the device you are going to control.

OPERATION

DISPLAY

When power is first applied to the X-11, it runs through an auto-test sequence turning on everything that lights up for about a second. This allows the user to be sure that all display elements are working and that displayed information will be accurate.

The Seven Segment Display keeps you constantly informed of your Preset Number or Operation Mode. If a small red dot above the number is lit, it is indicating whether you are recalling a preset over 99 or if you are setting or displaying the MIDI channel number.

If the upper left dot is lit, and the display reads 11, preset 111 has been executed. If the dot between the numbers were lit, MIDI channel 11 would be sending MIDI messages.

SELECTING A PRESET WITH THE PEDAL

Pads on the pedal are labeled Bank Select Arrow Up and Arrow Down, 1/6, 2/7, 3/8, 4/9 and 5/0.

Pressing a numbered pad causes a MIDI program change message to be sent. The selected preset number is displayed in the window, and the footpad's associated LED is lit to indicate the pad hit.

Pressing the UP or DOWN pads moves you into the next higher or lower group of 5 presets. The display will show the lowest numbered preset available in this bank and the footpad LED's are extinguished to indicate that the display has nothing to do with the last preset selected. The last preset selected remains active when these pads are being engaged. Pressing and holding the UP or DOWN pedals causes the display to automatically scan banks until the footpad is released. You can scroll through the last bank allowing you to start at the beginning numbers.

MIDI

On power up the MIDI Master Controller will send program change messages on MIDI channel 1. Only those devices set to channel 1 or in OMNI mode will respond to these messages.

CHANNEL CHANGE

The X-11's channel will have to be adjusted in order to control a device on a different MIDI channel. To do this, step on pads 1/6 AND 5/0 simultaneously. A dot in the top-middle of the display indicates the unit is now in Channel Select Mode. The display now shows the MIDI channel to which the Master Controller will send messages. Use the UP or DOWN pads to change the display to the appropriate MIDI channel number. Touch any other pad to return to normal operation. (A MIDI program change message is NOT sent by this pad hit).

TROUBLESHOOTING

If you have difficulty with your MIDI Pedal, you can check the following:

1. Make sure that the battery eliminator is working correctly. (Use it with something else, like a cassette player or measure its voltage)

2. Make sure that the connection between the eliminator and the pedal is snug.

3. Make sure that the MIDI connections between the devices pedal is snug.

If you see EP in the display, contact the factory. The pedal may still work, even if the EP is displayed at power-up, but don't be surprised if some feature of the pedal does not work. If ever EP is displayed by your unit, please contact the factory.

MISCELLANEOUS

POWER

There is a wall mount power adapter provided with your ART MIDI MASTER CONTROLLER.

If you find you must use a replacement or different power adapter, make sure the specifications meet or exceed the specifications of the original adapter. The ART MIDI Pedal was designed to work with just about any battery eliminator.

The Pedal will work with eliminators that produce 100 milliamperes (ma) of Alternating Current (AC or VAC) at 6.3 to 15 volts or Direct Current (DC or VDC) at 9 volts to 24 Volts.

DISPLAY DEFINITIONS

01: An 01 in the display window indicates that the unit has tested itself, found everything to be O.K., and is ready to go to work.

EP: An EP in the display window indicates that the unit has tested itself, found something incongruous to proper operating conditions, and should be returned for service.

nP: In the last bank of presets there are only 3 valid preset switches: 126, 127, and 128. If the rightmost two switches are depressed in this bank, no MIDI message is sent and nP appears in the display to indicate that no preset is associated with this pad in this bank.

CONTACT INFORMATION

Applied Research & Technology, Inc. (ART)
215 Tremont Street
Rochester, New York 14608
USA

(716) 436-2720
(716) 436-3942 (FAX)
Telex: 4949793 ARTROC

PROGRAMMING EXAMPLE

Editing a MIDI Program Table (MPT) with the X-11.

When used with a keyboard or other device that will receive MIDI PROGRAM CHANGE messages, MPT editing may be simplified. Using this method of editing, you select the desired patch on the X-11 and then edit the MIDI device's MPT for the desired preset.

The X-11's MIDI OUT must be connected to the device's MIDI IN jack. The MIDI channel on the MIDI device must be set to the same channel that the X-11 will be sending messages on, or the MIDI device's OMNI mode must be ON.

— Set up the MIDI device you wish to control for MPT editing.

*If you are using this device with any ART product enter the MIDI Utility Mode and scroll to the screen showing the [MIDI PROG =] on the top, and [PRESET =] on the bottom of the LCD. Make sure the cursor (_) is on the PRESET line.

— Select a patch on the X-11 so that 01 is displayed. (Select BANK 1 and press the 1/6 pad)

*With any ART product, use the VALUE UP and DOWN keys to select the preset you want recalled when selecting patch 1 on the X-11.

— Select another patch with the X-11.

— Adjust the MIDI device accordingly.

*You may continue to program each of the X-11's patches in this manner assigning the MIDI devices preset #'s to the X-11's patch numbers.