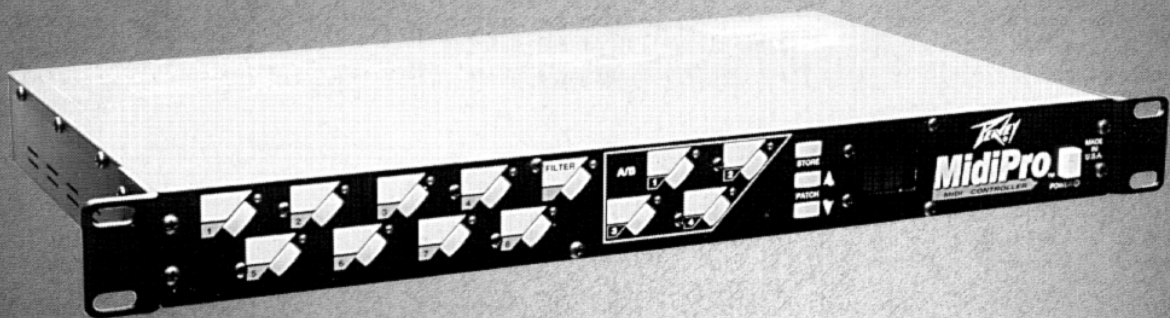


# MidiPro™

MIDI CONTROLLER

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Intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



Intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

**CAUTION:** Risk of electrical shock – DO NOT OPEN!

**CAUTION:** To reduce the risk of electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

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**WARNING:** To prevent electrical shock or fire hazard, do not expose this appliance to rain or moisture. Before using this appliance, read the operating guide for further warnings.

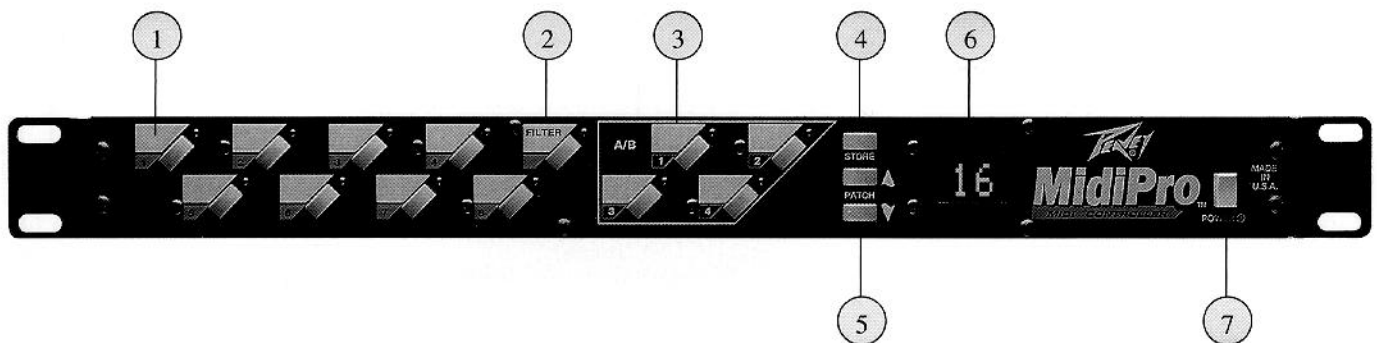
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Congratulations for your purchase of the Peavey MidiPro Controller. From Midi control of channel switching to complete Midi controlled multi-amp rigs, the MidiPro can be a very powerful tool in any musician's system.

It can be used to allow simultaneous channel switching of an amplifier and patch selection of an effects unit while pressing a single footswitch button (thereby eliminating the "footswitch dance" procedure normally used). For ease of operation, the settings are simply changed by pressing the appropriate Switch button and pressing-and-holding the Store button.

The built in A/B systems allow the user to switch one guitar between two amplifiers, switch between two guitars into a single amplifier, bypass effects units, A/B between different preamps, select two different power amp/speaker combinations, etc. They can also be used as Midi Mutes—to mute the return of a patch point while disconnecting it from the send.

The Midi Filter button allows the user to determine whether or not the particular Midi patch change is sent out the Midi Out jack—thereby allowing the system to operate independently from other Midi devices. Other Midi implementations include Midi channel selection 0-16 and Omni, as well as Midi Exclusive dumps from one Midipro to another.



### **SWITCH BUTTON and LED (1)**

The 8-Switch Buttons are used to determine whether or not the corresponding jack on the rear of the unit is shorted. If the indicator LED is lit, then the jack is shorted. Each Midi patch will have the Switch Buttons' positions stored for instant recall. To change a Switch Button's state for a particular patch, simply press the button, and then press-and-hold Store until it stops blinking.

### **FILTER BUTTON and LED (2)**

The Filter Button is used to filter Midi patch change information from being transmitted to the Midi Out/Thru jack. If the indicator LED is lit, then that particular patch change to which it is stored will not be transmitted to the Midi Out/Thru jack. This is useful when you want a patch change to change the channels of the amp, while NOT changing the patch on the Effects Unit, for example. To change the Filter button's state for a particular patch, simply press the button, and press-and-hold Store until it stops blinking.

### **A/B BUTTON and LED (3)**

The 4-A/B Buttons are used to determine whether or not the corresponding Common jack is patched to the corresponding A or B/mute output. If the indicator LED is lit, then the Common jack is patched to the A output. If the indicator is off, then the Common jack is patched to the B/mute output. To change an A/B Button's state for a particular patch, simply press the button, and then press-and-hold Store until it stops blinking.

## STORE BUTTON (4)

The Store Button is used to store changes made to a particular patch. When any of the Switch, Filter, or A/B Buttons are changed, the Display will blink. If you wish to store the new combination, simply press-and-hold the Store button until it stops blinking. If, on the other hand, you decide NOT to store the new combination, simply change patches without storing, and when you return to the original patch, it will be in its original state.

## UP/DOWN BUTTONS (5)

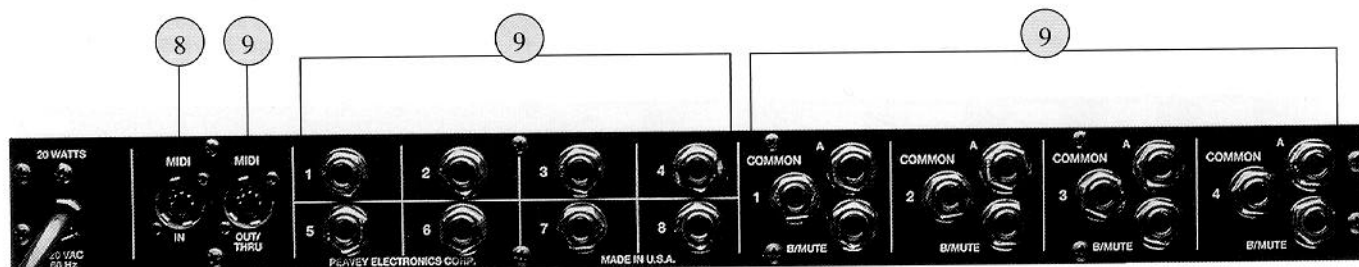
The Up/Down Buttons are used to increment and decrement the Midi patches 0-99. Additionally, upon startup, the Up/Down Buttons are used to change the Midi channel that the MidiPro responds to.

## DISPLAY (6)

The Display indicates the last Midi patch 0-99 that was selected either from the up/down buttons or via Midi. Upon startup, the Display indicates which Midi channel 0-16 the MidiPro will respond to. If the display reads "oo" upon startup, then the MidiPro is in "omni" mode which means it will respond to all Midi channels.

## POWER SWITCH (7)

Depress to the "On" position to turn on.



## MIDI IN (8)

This jack is a standard 5 pin DIN which is used to accept Midi data from other Midi devices, such as the RMC 2010 Midi pedal. When connected to the RMC 2010 pedal's Midi Out jack, the user can select patch changes from the pedal. Information other than patch change information is sent straight to the Midi Out/Thru jack. Also, Midi data sent on a different Midi channel is sent straight through.

## MIDI OUT/THRU (9)

This jack is a standard 5 pin DIN which is used to send Midi data to other Midi devices, and to pass through data received by the Midi In jack. If a selected patch has the Midi Filter Button activated, then that patch change is NOT sent out the Midi Out/Thru. Also, Midi data received by the Midi In jack on a different Midi channel is sent out this jack.

## SWITCHES 1-8 (10)

These jacks are connected to relays that are activated from the Switch Buttons on the front panel. If the corresponding Switch LED is illuminated, then the tip of the jack is shorted to the ring, or ground of the jack. If it is off, then the tip is not shorted to the ring. The relay allows operation of positive or negative switching—it basically, can replace the "switch" in most common footswitches used for channel-switching, reverb selection, etc. in amplifiers.

## **A/B's 1-4 (11)**

The four independent A/B systems are activated from the A/B buttons on the front panel. If the corresponding A/B LED is illuminated, then the Common jack is connected through a relay to the A jack. Otherwise, it is connected to the B jack. This system switches the ground connections as well as the hot connections—thereby eliminating the possibility of ground hums caused by tying two chassis together.

These A/B's can also be used as "Midi Mutes." By using the A jack as the input, and the Common jack as the output, the Common jack will receive the input when A is selected, but will be grounded when B/Mute is selected.

If normal mono plugs are used with the A/B systems, then the A and B jacks are shorted to ground momentarily during transition. This helps eliminate "clicks" and "pops" when switching between two units. To disable this function, simply use Stereo plugs with the tip used as the signal and the ring open. This may be necessary when switching the outputs of two preamps to a single power amp input.

## **SETTING THE MIDI CHANNEL**

The MidiPro can receive and transmit Midi data on Midi channel 1-16. The MidiPro will transmit on the same channel it receives on. There is also an omni mode available which allows the MidiPro to receive on any Midi channel. In this mode the MidiPro will transmit on Midi channel 1.

The Midi channel is set during power up. To set the Midi channel first turn the power off on the MidiPro. Now turn the power back on. The Midi channel will now be in the display. The Up and Down buttons can be used to scroll thru all the channels. Omni mode is depicted by a "oo" in the display. When you have selected the channel you wish just leave the MidiPro alone for a few seconds. The Midi channel is now stored in memory and the last patch you were in before you turned the power off will be recalled from memory.

## **DUMPING THE MEMORY**

The MidiPro patches stored in memory can be transferred to another MidiPro, or to a Midi storage device such as the Peavey Midi Streamer.

To dump the memory from a MidiPro, connect a Midi cable from the Midi Out/Thru jack of the MidiPro to the Midi In jack of the receiving unit. Next press and hold Store. While Store is still being held down, press the Down button.

While the data transfer is taking place the display will freeze up. When the transfer is complete the display will return to normal operation.

## **LOADING NEW PATCHES**

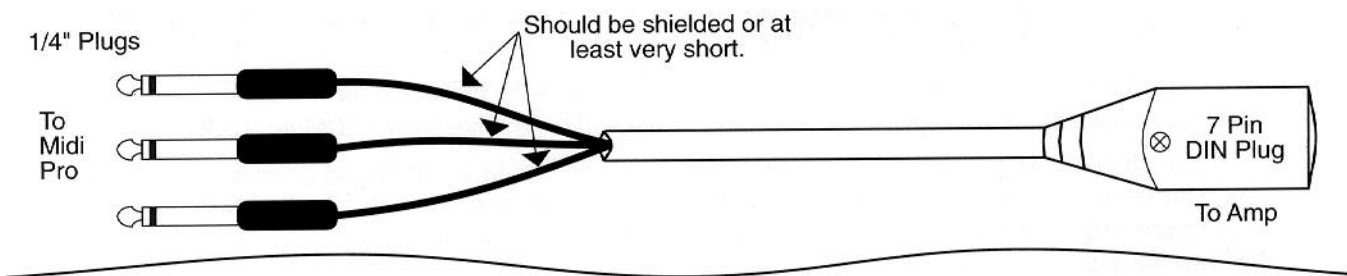
New patches can be loaded from another MidiPro or any Midi storage device.

To load new patches from another MidiPro connect a Midi cable from the Midi In jack of the receiving unit to the Midi Thru/Out jack of the sending unit. Press and hold the Store button of the sending unit. While the Store button is still being held down press the Down button of the sending unit.

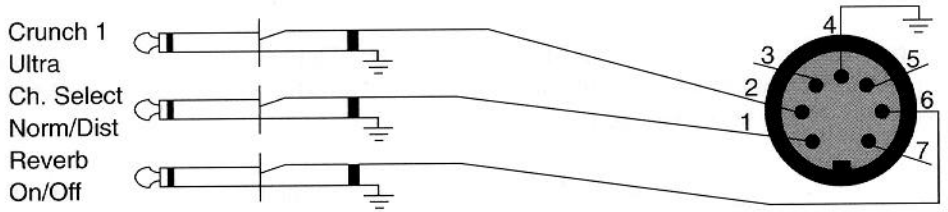
To load new patches from a Midi storage device, refer to the User's guide for the storage device for details on how to send a Sysex file from disk.

# Wiring Diagrams For Some Common Peavey Footswitches

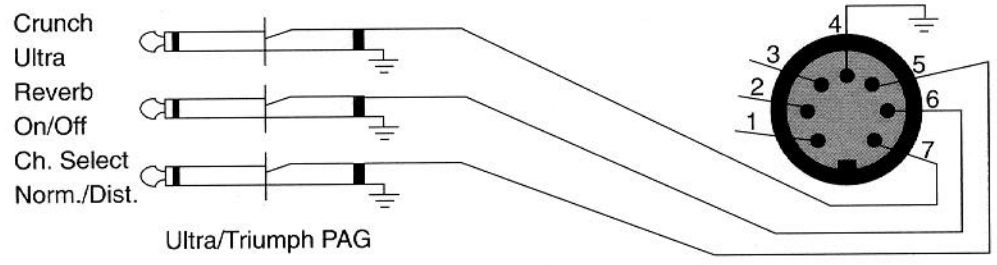
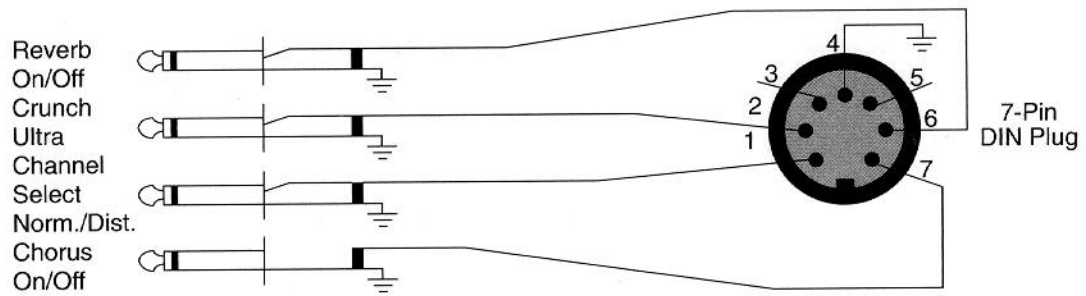
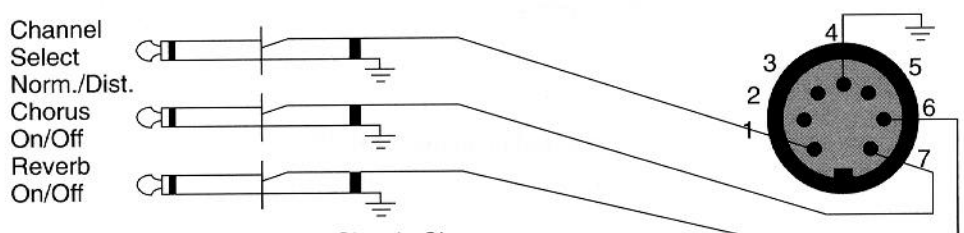
*(Most two button footswitches can be replaced by a Stereo-Y cable #05299).*

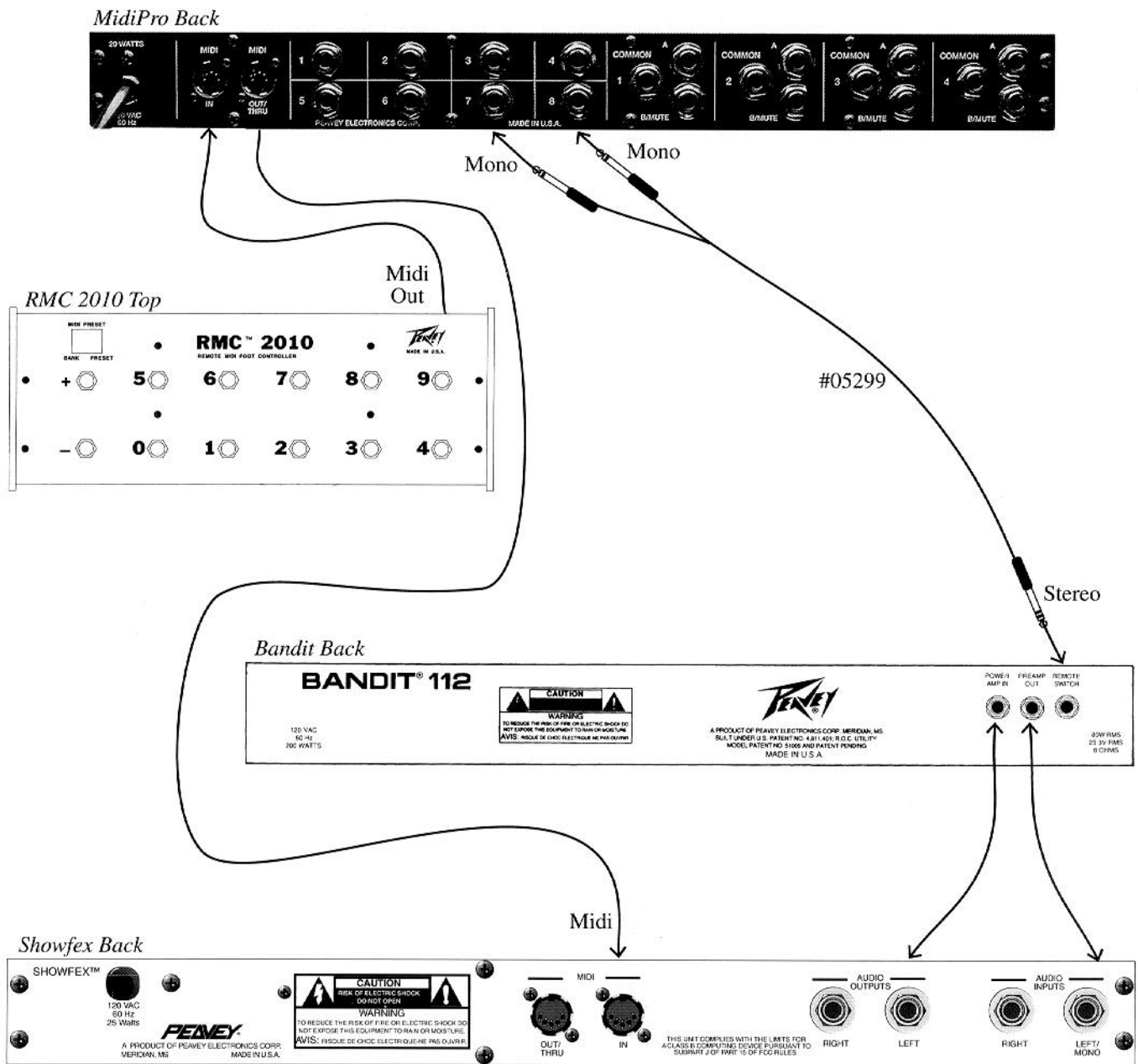


## Typical wiring diagram using 7-Pin DIN plug wired to single standard 1/4" plugs



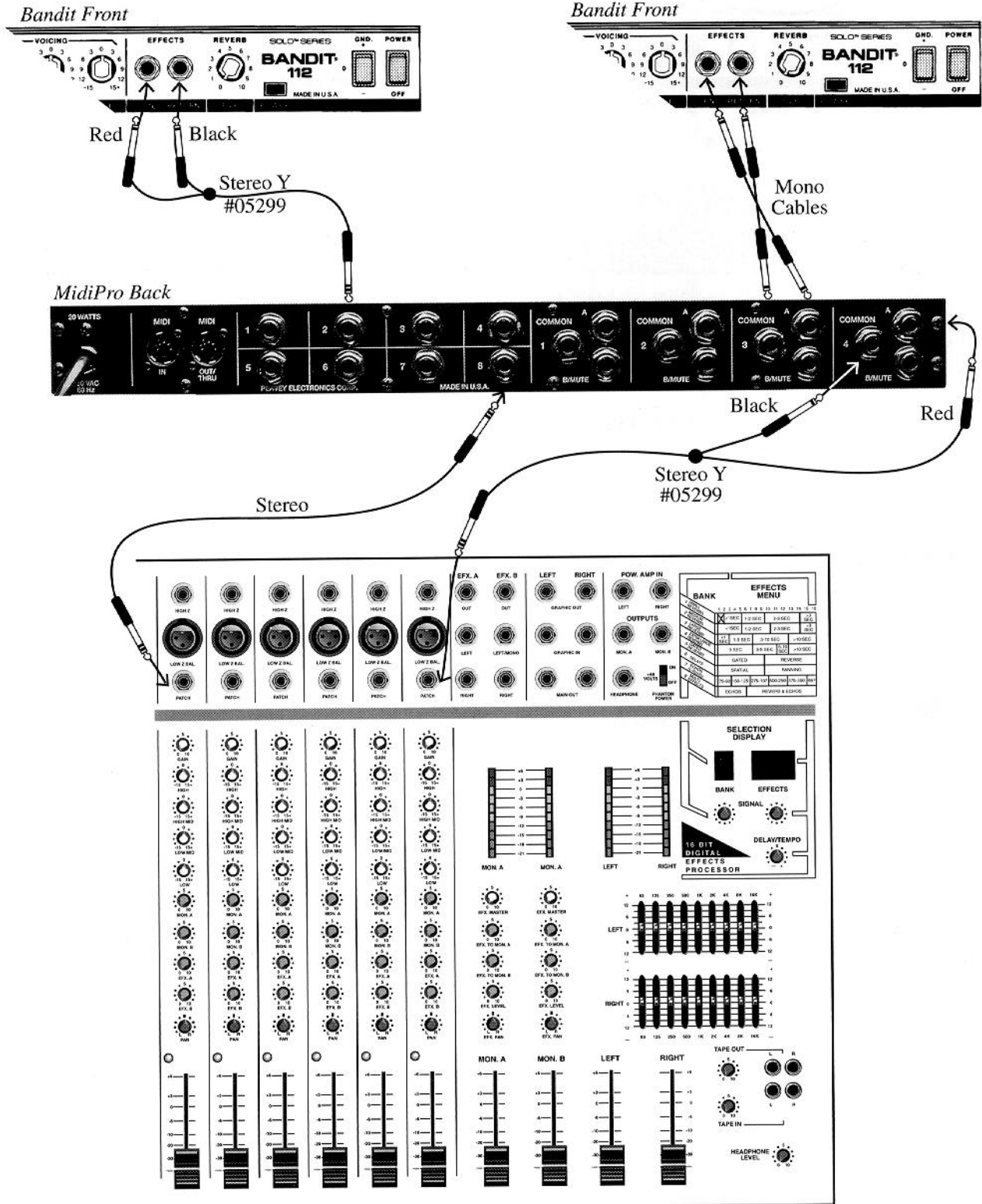
This cable will allow the switching to be operated by the Midi Pro.



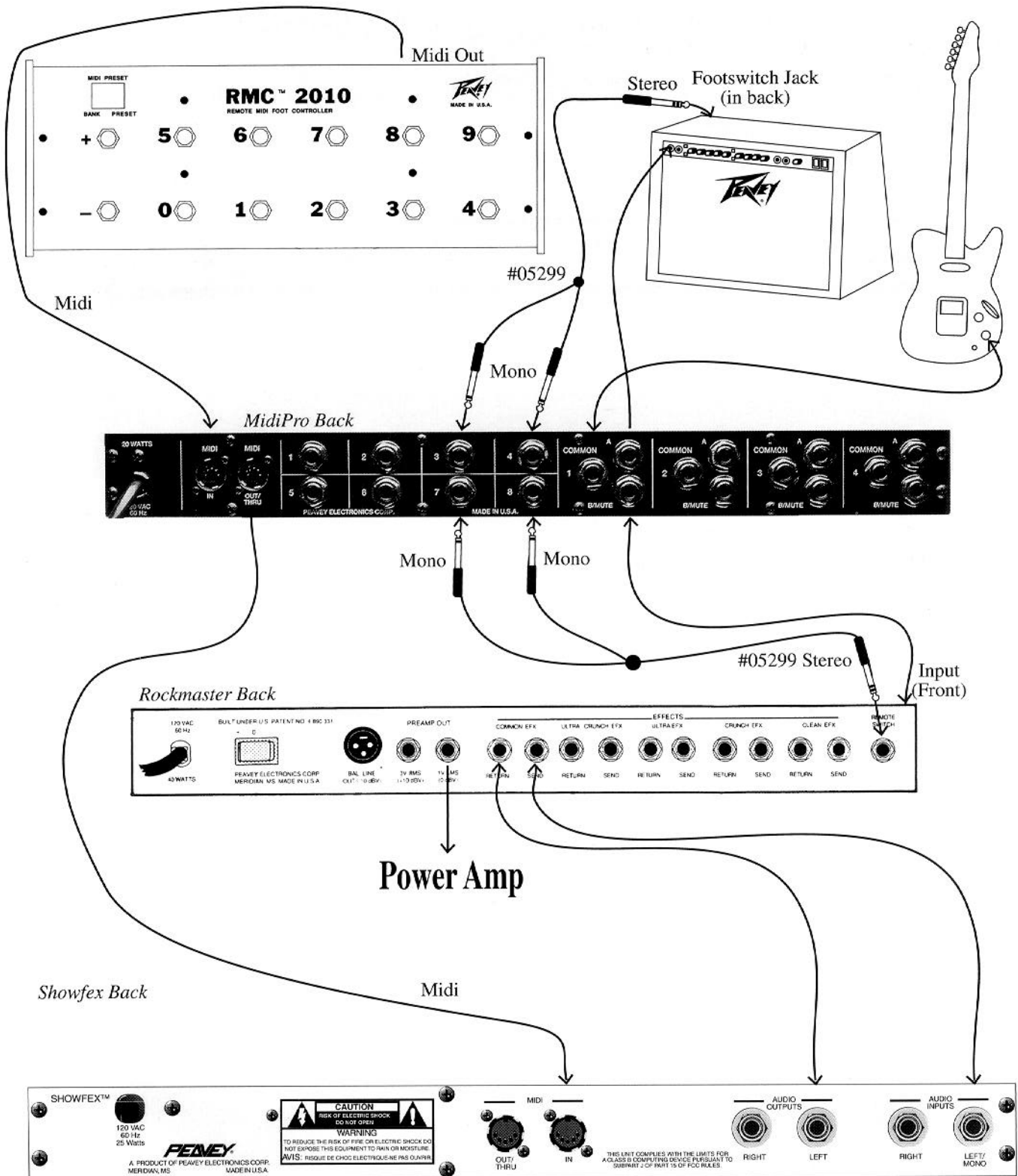


**Typical system using Stereo-Y cable to control reverb and channel switching on Bandit while selecting patches on Showfex simultaneously.**

**MIDI MUTES – Four options for MIDI muting a patch point or effects loop – shorts return while disconnecting from send. These will mute the return when the indicator LED is "off".**





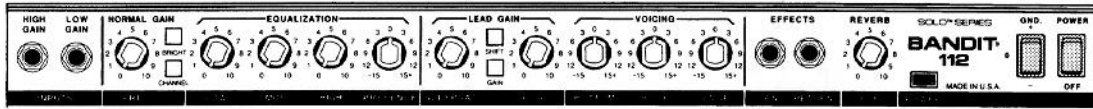


**Typical A/B rig between Rockmaster/Showfex system, and single unit (Bandit).**

# Effects Loop Bypass Examples

**Loop Bypass: Uses two A/B's**

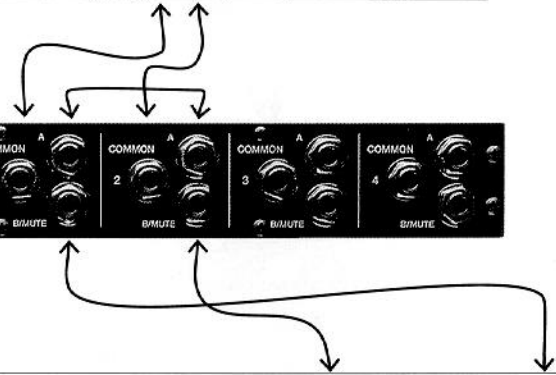
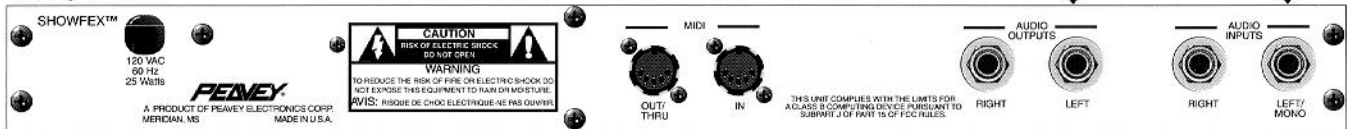
*Bandit 112 Front*



*MidiPro Back*

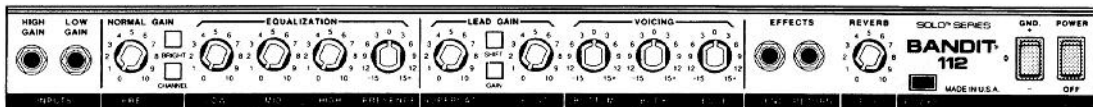


*Showfex Back*



**Loop Bypass: Uses one A/B's**

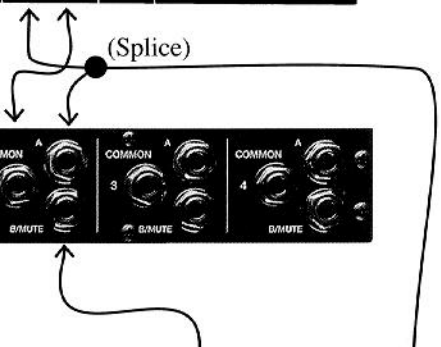
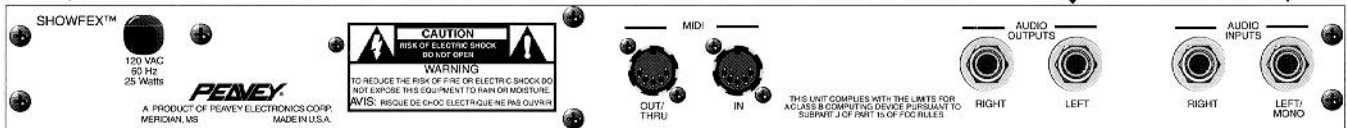
*Bandit 112 Front*



*MidiPro Back*



*Showfex Back*



# SPECIFICATIONS

## Switch Jacks:

Relay Switching Maximum Current (per jack):

.3A @ 100 V AC

.3A @ 100 V DC

1A @ 30 V DC

## A/B Jacks:

Relay Switching Maximum Current Through A/B:

.3A @ 100 V AC

.3A @ 100 V DC

1A @ 30 V DC

## Power Requirement:

20 Watts, 120 V AC, 60 Hz

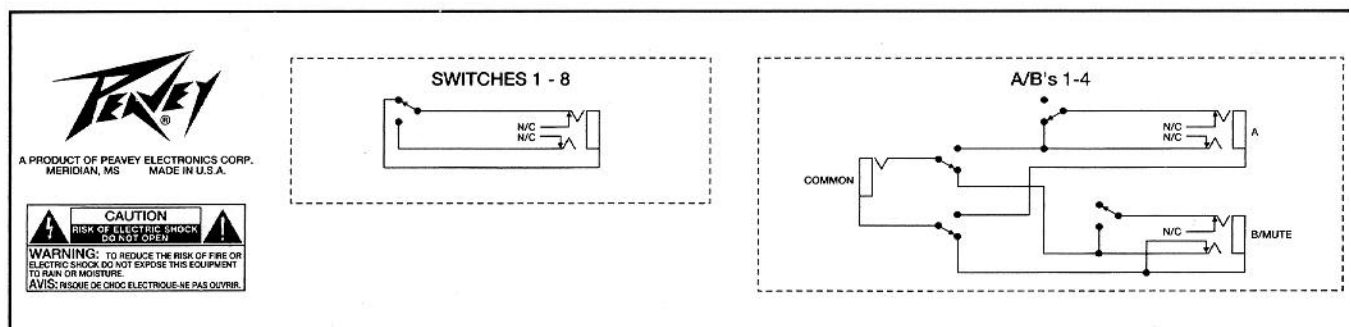
## Dimensions:

19" W x 1.75" H x 10.125" D (one rack space)

## Weight:

6.9 lbs.

## Midi Pro Top Panel



# MIDI Implementation Chart

| Function         |  | Transmitted*      | Recognized       | Remarks          |
|------------------|--|-------------------|------------------|------------------|
| Basic Channel    | Default Channel  | 1-16<br>00 (omni) | 1-16             |                  |
| Mode             | Default Messages Altered                                   |                   | 1,3              | Stored in Memory |
| Note Number      | True Voice   | X                 | X                |                  |
| Velocity         | Note On<br>Note Off  | X<br>X            | X<br>X           |                  |
| After Touch      | Key's<br>Ch's  | X<br>X            | X<br>X           |                  |
| Pitch Bender     |  | X                 | X                |                  |
| Control Change   |  | X                 | X                |                  |
| Prog Change      | True #   | 0-99              | 0-99             |                  |
| System Exclusive |  | 0                 | 0                |                  |
| System Common    | :Song Pos<br>:Song Sel<br>:Tune                            | X<br>X<br>X       | X<br>X<br>X      |                  |
| System Real Time | :Clock<br>:Commands  | X<br>X            | X<br>X           |                  |
| Aux Messages     | :Local ON/OFF<br>:All Notes Off<br>:Active Sense<br>:Reset | X<br>X<br>X<br>X  | X<br>X<br>X<br>X |                  |
| Notes            |  |                   |                  |                  |

## SYSTEM EXCLUSIVE

This section contains the format of the system exclusive commands used by the MidiPro.

The format below, used for all system exclusive commands, is as follows:

### HEXADECIMAL

|    |  |
|----|--|
| F0 | Start of System Exclusive                  |
| 00 | Peavey's Manufacture ID                    |
| 00 |  |
| 1B |  |
| 0D | Peavey Product ID (Midi Processing family) |
| 01 | MidiPro                                    |
| 0N | MIDI Channel #                             |
| 0X | Command byte                               |
| xx | Data bytes                                 |
| F7 | End of Exclusive (EOX)                     |

Load All Scenes (6609 bytes)

F0 00 00 1B 0D 01 0N 00 [data] F7

When received, all 100 scenes are loaded with the new data.

**THIS LIMITED WARRANTY VALID ONLY WHEN PURCHASED AND REGISTERED IN THE UNITED STATES OR CANADA. ALL EXPORTED PRODUCTS ARE SUBJECT TO WARRANTY AND SERVICES TO BE SPECIFIED AND PROVIDED BY THE AUTHORIZED DISTRIBUTOR FOR EACH COUNTRY.**

**Ces clauses de garantie ne sont valables qu'aux Etats-Unis et au Canada. Dans tout les autres pays, les clauses de garantie et de maintenance sont fixées par le distributeur national et assurée par lui selon la législation en vigueur.**

**Diese Garantie ist nur in den USA und Kanada gültig. Alle Export-Produkte sind der Garantie und dem Service des Importeurs des jeweiligen Landes unterworfen. Esta garantía es válida solamente cuando el producto es comprado en E.U. continentales o en Canada. Todos los productos que sean comprados en el extranjero, están sujetos a las garantías y servicio que cada distribuidor autorizado determine y ofrezca en los diferentes países.**

**PEAVEY ONE-YEAR LIMITED  
WARRANTY/REMEDY**

PEAVEY ELECTRONICS CORPORATION ("PEAVEY") warrants this product, EXCEPT for covers, footswitches, patchcords, tubes and meters, to be free from defects in material and workmanship for a period of one (1) year from date of purchase, PROVIDED, however, that this limited warranty is extended only to the original retail purchaser and is subject to the conditions, exclusions, and limitations hereinafter set forth:

**PEAVEY 90-DAY LIMITED WARRANTY ON TUBES AND METERS**

If this product contains tubes or meters, Peavey warrants the tubes or meters contained in the product to be free from defects in material and workmanship for a period of ninety (90) days from date of purchase; PROVIDED, however, that this limited warranty is extended only to the original retail purchaser and is also subject to the conditions, exclusions, and limitations hereinafter set forth.

**CONDITIONS, EXCLUSIONS, AND LIMITATIONS OF LIMITED WARRANTIES**

These limited warranties shall be void and of no effect, if:

- a. The first purchase of the product is for the purpose of resale; or
- b. The original retail purchase is not made from an AUTHORIZED PEAVEY DEALER; or
- c. The product has been damaged by accident or unreasonable use, neglect, improper service or maintenance, or other causes not arising out of defects in material or workmanship; or
- d. The serial number affixed to the product is altered, defaced, or removed.

In the event of a defect in material and/or workmanship covered by this limited warranty, Peavey will:

- a. In the case of tubes or meters, replace the defective component without charge.
- b. In other covered cases (i.e., cases involving anything other than covers, footswitches, patchcords, tubes or meters), repair the defect in material or workmanship or replace the product, at Peavey's option; and provided, however, that, in any case, all costs of shipping, if necessary, are paid by you, the purchaser.

**THE WARRANTY REGISTRATION CARD SHOULD BE ACCURATELY COMPLETED AND MAILED TO AND RECEIVED BY PEAVEY WITHIN FOURTEEN (14) DAYS FROM THE DATE OF YOUR PURCHASE.**

In order to obtain service under these warranties, you must:

- a. Bring the defective item to any PEAVEY AUTHORIZED DEALER or AUTHORIZED PEAVEY SERVICE CENTER and present therewith the ORIGINAL PROOF OF PURCHASE supplied to you by the AUTHORIZED PEAVEY DEALER in connection with your purchase from him of this product.

If the DEALER or SERVICE CENTER is unable to provide the necessary warranty service you will be directed to the nearest other PEAVEY AUTHORIZED DEALER or AUTHORIZED PEAVEY SERVICE CENTER which can provide such service.

**OR**

- b. Ship the defective item, prepaid, to:

**PEAVEY ELECTRONICS CORPORATION**  
International Service Center  
326 Hwy. 11 & 80 East  
MERIDIAN, MS 39301

including therewith a complete, detailed description of the problem, together with a legible copy of the original PROOF OF PURCHASE and a complete return address. Upon Peavey's receipt of these items:

If the defect is remedial under these limited warranties and the other terms and conditions expressed herein have been complied with, Peavey will provide the necessary warranty service to repair or replace the product and will return it, FREIGHT COLLECT, to you, the purchaser.

Peavey's liability to the purchaser for damages from any cause whatsoever and regardless of the form of action, including negligence, is limited to the actual damages up to the greater of \$500.00 or an amount equal to the purchase price of the product that caused the damage or that is the subject of or is directly related to the cause of action. Such purchase price will be that in effect for the specific product when the cause of action arose. This limitation of liability will not apply to claims for personal injury or damage to real property or tangible personal property allegedly caused by Peavey's negligence. Peavey does not assume liability for personal injury or property damage arising out of or caused by a non-Peavey alteration or attachment, nor does Peavey assume any responsibility for damage to interconnected non-Peavey equipment that may result from the normal functioning and maintenance of the Peavey equipment.

**UNDER NO CIRCUMSTANCES WILL PEAVEY BE LIABLE FOR ANY LOST PROFITS, LOST SAVINGS, ANY INCIDENTAL DAMAGES, OR ANY CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT, EVEN IF PEAVEY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.**

**THESE LIMITED WARRANTIES ARE IN LIEU OF ANY AND ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE; PROVIDED, HOWEVER, THAT IF THE OTHER TERMS AND CONDITIONS NECESSARY TO THE EXISTENCE OF THE EXPRESSED, LIMITED WARRANTIES, AS HEREINABOVE STATED, HAVE BEEN COMPLIED WITH, IMPLIED WARRANTIES ARE NOT DISCLAIMED DURING THE APPLICABLE ONE-YEAR OR NINETY-DAY PERIOD FROM DATE OF PURCHASE OF THIS PRODUCT.**

**SOME STATES DO NOT ALLOW LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THESE LIMITED WARRANTIES GIVE YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH MAY VARY FROM STATE TO STATE.**

**THESE LIMITED WARRANTIES ARE THE ONLY EXPRESSED WARRANTIES ON THIS PRODUCT, AND NO OTHER STATEMENT, REPRESENTATION, WARRANTY, OR AGREEMENT BY ANY PERSON SHALL BE VALID OR BINDING UPON PEAVEY.**

In the event of any modification or disclaimer of expressed or implied warranties, or any limitation of remedies, contained herein conflicts with applicable law, then such modification, disclaimer or limitation, as the case may be, shall be deemed to be modified to the extent necessary to comply with such law.

Your remedies for breach of these warranties are limited to those remedies provided herein and Peavey Electronics Corporation gives this limited warranty only with respect to equipment purchased in the United States of America.

**INSTRUCTIONS — WARRANTY REGISTRATION CARD**

1. Mail the completed WARRANTY REGISTRATION CARD to:

**PEAVEY ELECTRONICS CORPORATION**  
POST OFFICE BOX 2898  
MERIDIAN, MISSISSIPPI 39302-2898

- a. Keep the PROOF OF PURCHASE. In the event warranty service is required during the warranty period, you will need this document. There will be no identification card issued by Peavey Electronics Corporation.
2. **IMPORTANCE OF WARRANTY REGISTRATION CARDS AND NOTIFICATION OF CHANGES OF ADDRESSES:**
  - a. Completion and mailing of WARRANTY REGISTRATION CARDS — Should notification become necessary for any condition that may require correction, the REGISTRATION CARD will help ensure that you are contacted and properly notified.
  - b. Notice of address changes — If you move from the address shown on the WARRANTY REGISTRATION CARD, you should notify Peavey of the change of address so as to facilitate your receipt of any bulletins or other forms of notification which may become necessary in connection with any condition that may require dissemination of information or correction.
3. You may contact Peavey directly by telephoning (601) 483-5365.

## IMPORTANT SAFETY INSTRUCTIONS

**WARNING:** When using electric products, basic cautions should always be followed, including the following.

1. Read all safety and operating instructions before using this product.
2. All safety and operating instructions should be retained for future reference.
3. Obey all cautions in the operating instructions and on the back of the unit.
4. All operating instructions should be followed.
5. This product should not be used near water, i.e., a bathtub, sink, swimming pool, wet basement, etc.
6. This product should be located so that its position does not interfere with its proper ventilation. It should not be placed flat against a wall or placed in a built-in enclosure that will impede the flow of cooling air.
7. This product should not be placed near a source of heat such as a stove, radiator, or another heat producing amplifier.
8. Connect only to a power supply of the type marked on the unit adjacent to the power supply cord.
9. Never break off the ground pin on the power supply cord. For more information on grounding, write for our free booklet "Shock Hazard and Grounding."
10. Power supply cords should always be handled carefully. Never walk or place equipment on power supply cords. Periodically check cords for cuts or signs of stress, especially at the plug and the point where the cord exits the unit.
11. The power supply cord should be unplugged when the unit is to be unused for long periods of time.
12. If this product is to be mounted in an equipment rack, rear support should be provided.
13. Metal parts can be cleaned with a damp rag. The vinyl covering used on some units can be cleaned with a damp rag or an ammonia-based household cleaner if necessary. Disconnect unit from power supply before cleaning.
14. Care should be taken so that objects do not fall and liquids are not spilled into the unit through the ventilation holes or any other openings.
15. This unit should be checked by a qualified service technician if:
  - a. The power supply cord or plug has been damaged.
  - b. Anything has fallen or been spilled into the unit.
  - c. The unit does not operate correctly.
  - d. The unit has been dropped or the enclosure damaged.
16. The user should not attempt to service this equipment. All service work should be done by a qualified service technician.
17. This product should be used only with a cart or stand that is recommended by Peavey Electronics.
18. Exposure to extremely high noise levels may cause a permanent hearing loss. Individuals vary considerably in susceptibility to noise induced hearing loss, but nearly everyone will lose some hearing if exposed to sufficiently intense noise for a sufficient time. The U.S. Government's Occupational Safety and Health Administration (OSHA) has specified the following permissible noise level exposures.

| Duration Per Day In Hours | Sound Level dBA, Slow Response |
|---------------------------|--------------------------------|
| 8                         | 90                             |
| 6                         | 92                             |
| 4                         | 95                             |
| 3                         | 97                             |
| 2                         | 100                            |
| 1 1/2                     | 102                            |
| 1                         | 105                            |
| 1/2                       | 110                            |
| 1/4 or less               | 115                            |

According to OSHA, any exposure in excess of the above permissible limits could result in some hearing loss.

Ear plugs or protectors in the ear canals or over the ears must be worn when operating this amplification system in order to prevent a permanent hearing loss if exposure is in excess of the limits as set forth above. To ensure against potentially dangerous exposure to high sound pressure levels, it is recommended that all persons exposed to equipment capable of producing high sound pressure levels such as this amplification system be protected by hearing protectors while this unit is in operation.

**SAVE THESE INSTRUCTIONS!**



Features and specifications subject to change without notice.

**Peavey Electronics Corporation** 711 A Street / Meridian, MS 39301 / U.S.A. / (601) 483-5365 / Telex 504115 / Fax 486-1278  
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