MIDI STREAMER

MIDI DATA STORAGE PROCESSOR

USERS GUIDE

• 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.

• CAUTION •

Risk of electrical shock - ***Do Not Open****.*

To reduce the risk of electrical shock, do not remove cover.
No user serviceable parts inside.
Refer servicing to qualified personnel.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

This symbol is 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 electrical shock.

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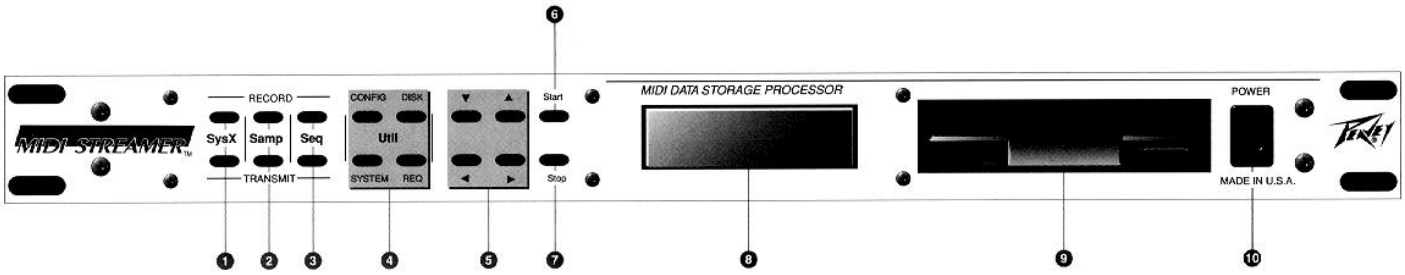
1.0 Introduction

Congratulations and thank you for purchasing the MIDI Streamer™. The MIDI Streamer is a mass storage device that provides System Exclusive and Standard MIDI file storage of program, sample, and sequence data. In addition to being able to receive and store manually initiated data dumps, the MIDI Streamer can be programmed to transmit specific System Exclusive commands for virtually any MIDI device and will also perform looped System Exclusive requests. The MIDI Streamer can perform disk load and send commands through remote control using its own System Exclusive commands. All files stored and loaded from the 3.5" DSDD floppy disk drive are PC-DOS and ST-TOS compatible. The MIDI Streamer is an extension of the technology of the MIDI Librarian™ and, as a result, all previous disk files and System Exclusive dumps are compatible. Above and beyond the capability of the MIDI Librarian, the MIDI Streamer can perform "handshaked" Sample Dump Standard transfers, storing the received sample in a choice of Standard MIDI File or DPM® 3 Sample File format. This added capability allows DPM® V3 owners to use the MIDI Streamer to quickly and easily access the large library of samples available for the DPM 3. The MIDI Streamer also has the added functionality of load, record, and playback of MIDI Standard File sequences. The PC-DOS disk format will allow owners of the MIDI Streamer to access hundreds of pre-sequenced songs available from third party vendors, as well as record and store their own sequences for later editing on a computer sequencer if desired.

2.0 Features

- Complete storage and retrieval of any System Exclusive, Sample Dump, or Standard MIDI Files
- Programmable System Exclusive Request commands including "Looped Requests"
- Remote control of Disk Load and Save functions via MIDI
- Record and playback of multi-channel sequences
- DPM 3 Sample Disk compatibility
- Dual input MIDI merge
- 20 x 2 backlit LCD
- 64K RAM for data storage, expandable to 128K
- 1 I.U. rack space
- Two MIDI Ins, Out, and Thru
- Formatted disks are PC-DOS and ST-TOS compatible

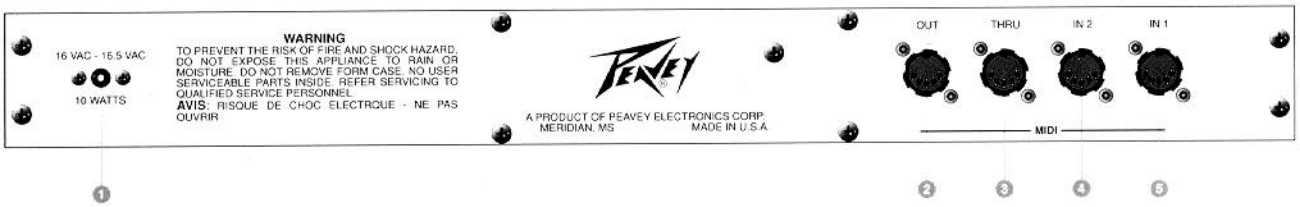


3.0 Front Panel Descriptions

1. **SysX (System Exclusive)**
   Record - Used to record System Exclusive information from MIDI devices, either remotely or by request.
   Transmit - Used to send System Exclusive information from the disk drive to a MIDI device.
2. **Samp (Sample)**
   Record - Used to record Sample Dump information being received across MIDI to the disk drive.
   Transmit - Used to send Sample Dump information from the disk drive to a MIDI device.
3. **Seq (Sequence)**
   Record - Used to record a "live performance" via MIDI to the disk drive.
   Transmit - Used to playback a sequence from the disk drive to a MIDI device.
4. **Util (Utility) Buttons**
   Config (Configure) - Used to set up System Exclusive receive stop conditions, System Exclusive transmit delay, and the MIDI channel number for sample dumps.
   Disk - Used to perform such functions as: query the number of files and space left on a disk, delete files from a disk, format a disk, copy all files from the disk, and copy individual files from the disk.
   System - Used to set up the MIDI Merge configuration and to set the viewing angle of the display.
   Req (Request) - This allows you to build new System Exclusive requests and save/load the request to/from disk.

Note: All the **Util** buttons will access each of their sub-menus by pushing the button repeatedly. For example, if you wanted to copy all the files on a disk, you would press the **Util** button labeled *Disk*, the display could show "Reading directory..." and go to a screen showing one file's name (flashing). To copy all the files from that disk, press the **Util** button labeled *Disk* until you get to the display "Copy all disk files."

5. **Arrow (Direction) Buttons**
   Use the direction buttons to move through the editable fields and to change the values in those fields. Holding the *up* and *down arrow* buttons at the same time allows for fast scrolling.
6. **Start**
   Used to start the displayed function or to proceed to the next step in a sequential task.
7. **Stop**
   Used to stop a process initiated by the *Start* button or to exit from a function.
8. **20 x 2 LCD (Liquid Crystal Display)**
9. **3.5" Floppy Disk Drive**
10. **Power switch**



4.0 Back Panel Descriptions

1. **Power Supply Socket**
   Use only the power supply provided with this unit (Peavey part #00710160).

Caution: Use only the Peavey 16.5 volt AC power supply provided with this product. If the original power supply must be replaced, consult your Peavey dealer or the factory for the correct replacement. Failure to use the correct power supply could result in fire, shock hazard, extensive circuit damage, decreased performance, or non-operation.

2. **MIDI Out**
   Use to transmit System Exclusive information to external devices. This is also used as the MIDI Merge output when in the Merge mode.
3. **MIDI Thru**
   This echoes MIDI data received at MIDI In 1 unaltered to any MIDI device in the chain.
4. **MIDI In 2**
   This is provided for use as the secondary input of MIDI information. This can also be used for the input of System Exclusive information and as one of the MIDI Merged inputs when the MIDI Streamer is used as a MIDI Merge device.
5. **MIDI In 1**
   This is provided for use as the primary input of MIDI information. This can also be used for the input of System Exclusive information and as one of the MIDI Merged inputs when the MIDI Streamer is used as a MIDI Merge device.

Note: The MIDI Streamer is not configured to merge two System Exclusive Data dumps to the internal data storage or the floppy disk. The Merge function is designed to merge the two MIDI inputs to the MIDI output in the assigned configuration, when not performing a Record or Transmit function. When a System Exclusive Data dump is received through either of the two MIDI inputs, that input will be assigned priority until the Data operation is complete. At that point, the MIDI Merge will be re-initiated in the previously assigned configuration.

5.0 SysX

5.1 Record

This allows you to record System Exclusive information four ways:

- Remote
- Single Request
- Looped Request
- Packet Request

Note: In "Remote" mode the MIDI Streamer will stop recording when one of the following conditions is met.

- immediately upon EOX
- after 0.1 sec idle
- after 1.0 sec idle
- only on STOP switch

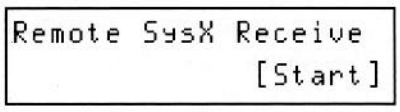
These conditions are set using the *CONFIG* button in the **Util** section of the MIDI Streamer.

Remote

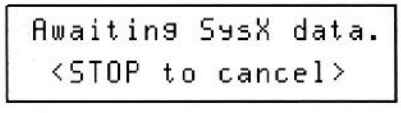
This is used to receive System Exclusive information remotely. Once the MIDI Streamer is set to this mode it will wait until the sending unit starts to send data. This is considered the manual mode, manually initiated System Exclusive dumps are data dumps which are started from the individual MIDI device. Most MIDI devices today have the capability to transmit their System Exclusive data from the front panel.

To receive a manually initiated System Exclusive dump:

1. Select the correct System Exclusive receive stop condition described in section **8.1**.
2. Press the **SysX** *Record* button, then press the *up* or *down arrow* button until the following screen is displayed:



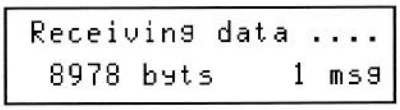
3. Prepare the MIDI device that will be transmitting the System Exclusive data. Make sure all the MIDI connections are correct.
4. Press the *Start* button and the display will show:



5. Begin transmitting from the MIDI device. The display will show a rapidly increasing number of bytes received as well as messages. Depending on which receive stop condition is selected, when transmission is complete the display will show:

Condition to Stop after idle time or EOX

OR



Condition to Stop on *STOP* button

Note: The message in the lower left side of the bottom line of the display is the number of bytes received, and the message on the lower right side of the bottom line of the display is the number of messages with start and stop bytes received.

The most common way in which System Exclusive dumps are initiated is through the use of System Exclusive Dump Requests from the MIDI Streamer to another MIDI device.

Single Request

This is used to send a single request for a System Exclusive dump. Once the Start button is pressed the MIDI Streamer will issue the request.

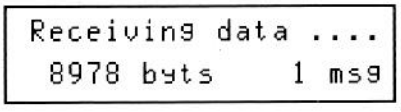
To issue a Single Request for a System Exclusive dump:

1. Select the correct System Exclusive receive stop condition described in section **8.1**.
2. Press the **SysX** *Record* button, then press the *up* or *down arrow* button until the following screen is displayed:

3. Make sure all the MIDI connections are correct and press the *Start* button. The display should show a rapidly increasing number of bytes received as well as messages.

Condition to Stop after idle time or EOX

OR



Condition to Stop on *STOP* button

Note: The message in the lower left side of the bottom line of the display is the number of bytes received, and the message on the lower right side of the bottom line of the display is the number of messages with start and stop bytes received.

Looped Request

The programmable looped byte Dump Request is particularly useful for MIDI devices that do not allow more than one program at a time to be dumped. The byte that is selected to loop is incremented one value each time the Dump Request is transmitted, allowing the entire set of programs to be dumped from devices utilizing this format. The loop byte range is the range of values which are to be requested from the MIDI device. Example: Loop byte range 1 through 45 requests programs 1-45 to be dumped from the MIDI device.

Packet Request

Like a Looped Request, but each individual SysX message is written to disk before the next Request is issued. This is useful for receiving groups of SysX messages where the total size of the received data is bigger than the available memory. Packet Request dump files are always assigned a ".PSX" (Packetized SysX) extension, and received special handling when being transmitted back to the MIDI device.

To use Looped or Packet Dump Requests:

1. Select the correct System Exclusive receive stop condition described in section **8.1**.
2. Press the **SysX** *Record* button, then press the *up* or *down arrow* button until one of the following screens is displayed:

```
Looped Req [  0→  0]
req #00: DPM3Progs
```

OR

```
Packet Req [  0→  0]
req #00: DPM3Progs
```

3. Using the *up* and *down arrow* buttons, select the Dump Request for your particular MIDI device. (If a Dump Request for your MIDI device does not exist, build it following section 8.4)
4. Press the *Start* button. The display should show the following message:

```
 Request data dump
req #00: DPM3Progs
```

If the following display appears, see section **8.4**.

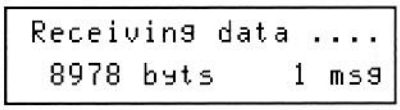
```
Dump req is empty -
request is pointless
```

5. Using the up and down arrow buttons and the left and right arrow buttons, select the desired start and ending values for the loop byte of the Dump Request.

6. Make sure all the MIDI connections are correct and press the *Start* button. The display should show a rapidly increasing number of bytes as well as messages received.

Condition to Stop after idle time or EOX

OR



Condition to Stop on *STOP* button

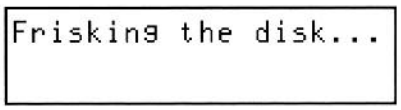
Note: The Looped Request may be useful in other situations as well. If you have a single request which you would like to be able to use on many different MIDI channels, you can program the request to loop on the "MIDI Channel" byte. Then, to select a channel, you can simply select that value for both start and end parameters on the Looped Request.

5.2 Transmit

Once a System Exclusive message has been loaded into the MIDI Streamer from disk or via MIDI, it may be transmitted out the MIDI out port to a receiving device.

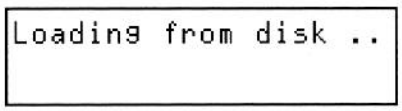
To transmit System Exclusive messages:

1. With a data file in memory, press the SysX Transmit button. The display will show:

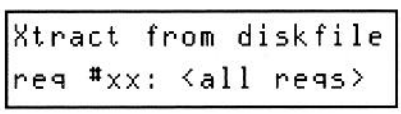


then

2. Use the *up* and *down arrow* buttons to scroll through the file until the desired file is located, then press the *Start* button. The display will show the bytes and messages decreasing rapidly.



then



3. Press the *Start* button. The display will show:

```
Dump Request list
      updated
```

Note: When a ".PSX" file is selected for transmit, the file is not stored in memory first. The transfer begins as soon as the file is selected with the start button.

6.0 Samp

6.1 Record

This button is used for recording sample information. When the button is first pressed, the MIDI Streamer responds with "Frisking the Disk...." If the disk's directory is not already in memory, this will be followed by a "Reading Directory..." message. Then you should see the following screen:

```
SDS Rcv:  DPM3 File
Request #     0
```

SDS Rcv Sample files can be stored in either DPM®3 file or MIDI file format. Use the *left* or *right arrow* button to select this field, then use the *up* or *down arrow* button to select the value. If DPM3 format is selected, the file extension will be ".SAM." If MIDI format is selected the file extension will be ".MID."

Request # can be anything from 0 to 16383. This indicates the number (as assigned in the transmitting device) of the sample which is to be received. Select "Remote" to initiate the request.

6.2 Transmit

This button is used to transmit sample information to other MIDI devices capable of using this information. When the button is first pressed, the MIDI Streamer responds with "Frisking the Disk...." If no sample file is found, you should see the following screen:

```
Sample Dump Transmit
 file = Not Found!!!
```

If sample files are found, you can scroll through them by pressing either the *up* or *down arrow* buttons. Only files with a .SAM or .MID extension will show up in this directory.

Transmitting a Sample file

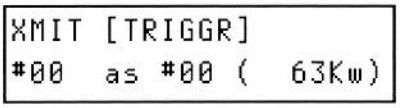
1. Press the **Samp** *Transmit* button.
2. Use the *up* or *down arrow* button to locate the file to be transmitted.
3. Press the *Start* button.

When complete the you should see the following screens:

then

You will get this screen if the extension is .MID

OR



You will get this screen if the extension is .SAM

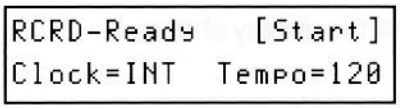
At this point all samples in the file are ready to transmit. If the sample file is DPM 3 format, samples can be selected for individual transmission or "All," and can also be requested individually from the receiving device. For standard MIDI format (.MID) sample files, all samples in the file will be transmitted sequentially.

7.0 Seq

The sequencer stores files as "Format 0" standard MIDI files. Any MS-DOS disk with a Format 0 MIDI file can be played by the MIDI Streamer sequencer. For Macintosh users with a superdrive, Apple File Exchange does a good job of converting MIDI files to MS-DOS format, just select the "default translation."

7.1 Record

This button is used to record a sequence. The sequencer records at a resolution of 192 ppqn. The sequencer input is set on the MIDI MERGE screen. Make sure the appropriate MERGE inputs are ON. When the button is first pressed you should see the following screen:



The MIDI Streamer comes up in the RCRD-Ready mode, meaning it is ready to start recording the sequence.

Clock This can be set to either INT or EXT for internal and external respectively.
Tempo This can be set anywhere from 40 to 250 beats per minute. The tempo is active only when using the internal clock.

When you are satisfied with the settings chosen, press the *Start* button to begin recording; or, the MIDI Streamer sequencer can be started remotely by a MIDI start command, which is usually sent out by any sequencer upon starting to play or record.

7.2 Transmit

This button is used to transmit a sequence. When the button is first pressed you should see the following screens:

```
Frisking the disk...
```

then

```
Play sequence from
 file = filename.MID
```

Select a file and press the *Start* button. The MIDI Streamer comes up in the PLAY-Ready mode, meaning it is ready to start playing the sequence.

Clock This can be set to either INT or EXT for internal and external respectively.
Tempo This can be set anywhere from 40 to 250 beats per minute. The tempo is active only when using the internal clock.

Note: Tempo selected before pressing the *Start* button may be overridden by a Tempo Event in the MIDI file.

8.0 Util

8.1 Config

SysX RECORD

MIDI devices have a variety of ways to indicate that their System *Stop Conditions* Exclusive Dump is completed. The MIDI Streamer allows programmability of all conditions, allowing total flexibility in any MIDI environment.

To set the SysX Record Stop condition:

1. Press the *Config* button until the display shows:

```
SysX RECORD stops
immediately upon EOX
```

2. Press the *up* and *down arrow* buttons to select the stop condition required.

   a. immediately upon EOX - Many MIDI devices dump their internal memory as a single message with a start byte (F0) and an end byte (F7). This condition stops the MIDI Streamer from receiving System Exclusive messages after it receives an end of exclusive message (F7).

   b. after 0.1 sec idle - Some MIDI devices dump their internal programs as a series of single messages, each with a start byte (F0) and an end byte

(F7). This condition allows a 0.1 second wait time before the MIDI Streamer interprets the lack of activity as the end of exclusive messages. Most devices utilizing a looped byte Dump Request will work with this condition.

c. after 1.0 sec idle - Some MIDI devices dump their internal programs as a series of single messages, each with a start byte (F0) and an end byte (F7), but require a longer time between messages to dump the next message. This condition provides a 1.0 second wait time before the MIDI Streamer interprets the lack of activity as the end of the exclusive dump.

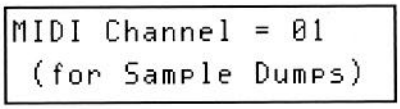
d. only on STOP switch - This condition allows the MIDI Streamer to continue to receive System Exclusive messages until the Stop button is pressed. This condition is useful in doing manually initiated System Exclusive dumps from a variety of MIDI devices into the MIDI Streamer.

SysX Transmit Delay

This allows you to set the delay between System exclusive messages transmitted by the MIDI Streamer to another MIDI device.

MIDI Channel

This selects the MIDI Channel number that the MIDI Streamer will use when sending and receiving Sample dump data.



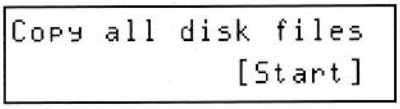
8.2 Disk Functions

Copy Files

The MIDI Streamer provides a copy disk utility that allows you to make a backup of all the files on one disk and copy them to another disk. This is important protection against loss of data. For a disk with lots of data, this may require quite a bit of disk swapping!

Using the Copy disk utility:

1. Insert the **source** disk into the disk drive. This is the disk that has the data you will be copying to another disk.
2. Press the *Disk* button until the following display appears:



3. Press the Start button. The following display will appear:

```
Insert source disk
and hit START switch
```

4. Since you have already inserted the **source** disk, press the *Start* button. If the disk in the drive is not the source disk, eject it and insert the **source** disk, then press the *Start* button. Once the *Start* button has been pressed the following display will appear:

```
Reading data from
 Source disk ....
```

5. When the MIDI Streamer is finished copying as many files as it can from the **source** disk, the following display will appear:

```
Insert target disk
and hit START switch
```

6. Eject the **source** disk and insert a formatted blank disk. This is the **target** disk. The following displays will appear:

```
Examining disk ....
```

then

```
 Writing data to
  target disk ....
```

then

```
Verifying data on
  target disk ....
```

then

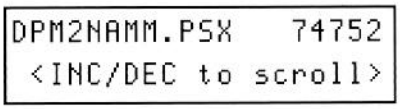
```
 All files copied
   successfully
```

7. It may be necessary to repeat steps 4-6 to copy all files.

Note: If the **target** disk is not blank, the message "**Sorry - target disk must be empty**" will appear. You must either delete the existing files, reformat the disk, or use another disk for the **target** disk.

Disk Directory

The disk file directory loads the current diskettes' file names and sizes into the MIDI Streamer for viewing. Press the *Disk* button until the display is similar to the following. Use the *up* and *down arrow* buttons to scroll through the list of files on the disk.



The file name appears in the upper left of the display and the file size in the upper right.

# of Files

This window cannot be edited, but is provided for information only. Press the *Disk* button until a display similar to the following appears:

This shows the number of files on the disk on the top line of the display, and the space available on the disk on the bottom line of the display.

Delete Files

The delete disk file utility allows unwanted data files to be deleted from the disk. Press the *Disk* button until the display is similar to the following. Use the *up* and *down arrow* buttons to select the file to be deleted.

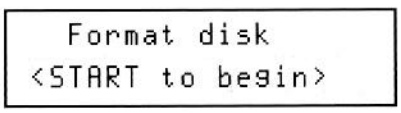
Format Disk

If it is necessary to format a disk, the MIDI Streamer provides a disk format utility that utilizes a format that is compatible with IBM PC-DOS, the Peavey DPM 3, and ST-TOS floppy disk formats. This allows for data stored by the MIDI Streamer to be used or viewed with other commonly available systems.

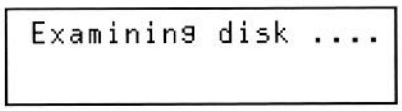
Note: Use only double sided, double density diskettes with the MIDI Streamer.

To format a new disk:

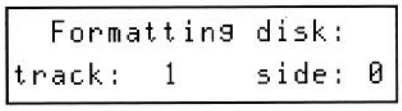
1. Insert the disk into the disk drive.
2. Press the *Disk* button until the following display appears:



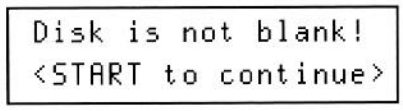
3. Press the *Start* button. The display should show:



then

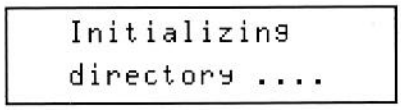


Note: If the disk was not blank, the display will show:

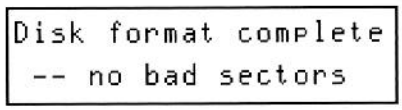


If you want to format the disk anyway, press the *Start* button. *All information will be lost.* If you want to cancel the format operation press the *Stop* button.

Once the formatting process is complete, the display will show:



then



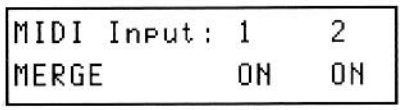
Note: If your disk has bad sectors it is recommended that you discard the disk and begin the format process with a new disk. The bad sectors will be marked as bad, and will never be used. The disk will simply have a smaller data capacity. However, the presence of bad sectors indicates that this disk may not be as reliable as it should be.

8.3 System

MIDI MERGE

When the MIDI Streamer is not performing a disk utility, it may be utilized as a full function MIDI Merge unit. Both of the MIDI inputs may be routed in any configuration to the MIDI output. There is also a MIDI monitor function where an asterisk (*) indicates MIDI data activity on that input. In addition, the sequencer Record function will record data from either or both MIDI inputs, according to the settings on the *MIDI MERGE* page.

1. Press the *System* button until the display shows:



2. Pressing the left or right arrow button will select the MIDI input to configure.

   a. Both inputs ON
      This allows information coming in both MIDI inputs to be merged together at the MIDI output.
   b. MIDI 1 Off MIDI 2 On
      This allows information coming in only MIDI input 2 to go out the MIDI output.
   c. MIDI 1 On MIDI 2 Off
      This allows information coming in only MIDI input 1 to go out the MIDI output.
   d. MIDI 1 Off MIDI 2 Off
      This disables any information arriving via either of the two inputs from echoing to the MIDI output.

Note: When using the **SysX** and **Samp** functions, it is often necessary to set up a MIDI "loop," (with the input of one device connected to the output of the other device and vice versa) for 2-way communications. When you exit form these functions, the MERGE function is automatically re-instated. Beware of the MIDI loop interfering with normal operation.

View Angle

Because the MIDI Streamer may have to be viewed from a variety of angles, the LCD contrast may be adjusted to provide comfortable visibility.

1. Press the *System* button until the display shows:

```
Adjust viewing angle
 <use INC/DEC keys>
```

2. Using the *up* and *down arrow* buttons, adjust the viewing angle for maximum comfort and clarity.

8.4 Req (Dump Request Utilities)

The MIDI Streamer allows complete user editing of Dump Request commands. User programmability of Dump Request commands allows the MIDI Streamer to be utilized with any MIDI device that supports MIDI System Exclusive storage of its parameters.

Build SysX Request

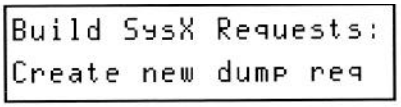
There are three options under the Build SysX request: create new dump request, edit existing requests, and return to previous edit.

Create new dump request

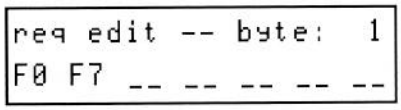
This allows you to build a new dump request from scratch. To build a new dump request you will need to refer to the owner's manual for the MIDI device to determine its dump request format.

To Create a new Dump Request

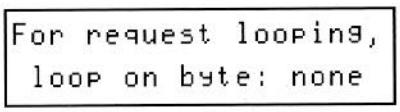
1. Press the *Req* button. The display will be similar to this:



2. If you don't see this display, press the *up* or *down arrow* button until you do.
3. Press the *Start* button. You should see the following display:

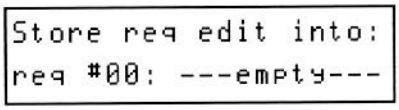


4. The MIDI Streamer automatically provides the F0 (start of SysEx) and F7 (end of SysEx) bytes. Enter the remaining bytes required by your MIDI device as provided by its owners manual. Use the *up* and *down arrow* buttons to change the value of the number and use the *left* and *right arrow* buttons to move from one number to another. The left and right arrow buttons are also used to view the bytes that may go off the display, as the MIDI Streamer displays only 7 bytes at a time.
5. Press the *Start* button once all of the Dump Request bytes have been entered. The display will show:

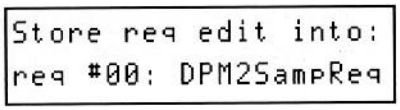


This display allows a specific byte to be selected as the looping byte in a looped Dump Request. For devices that need looping to dump their entire memory, the loop byte may be interpreted as the program number to transmit. Specifying looping on the program number byte allows devices which can only dump one program at a time to be incremented throughout the entire program table to allow dumping all the program locations.

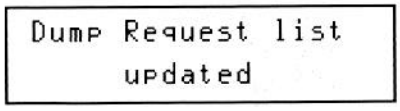
6. Press the *Start* button to enter the Dump Request naming display:



7. Using the *up* and *down* arrow buttons and the *left* and *right arrow* buttons, first select the next empty location for the request to be stored in; then program the desired 11 character name.



8. Press the *Start* button to store the selected Dump Request name and location. The display will show:



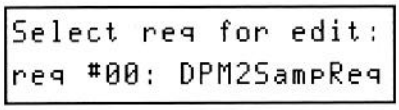
Edit existing request

This is used to change an existing Dump Request command, rename it, and store it in a new location.

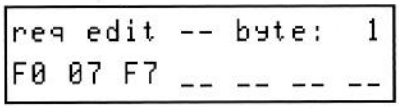
To Edit an existing Dump Request:

1. Press the *Req* button. The display will be similar to this:

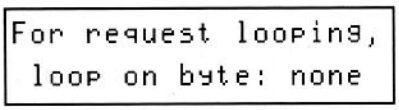
2. If you don't see this display press the *up* or *down arrow* button until you do.
3. Press the *Start* button. You should see the following display:



4. Use the *up* and *down arrow* buttons to select the Dump Request to be edited. Once selected, press the *Start* button. The display will show:

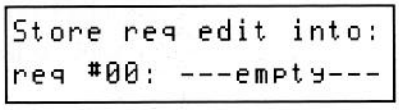


5. Using the *up* and *down arrow* buttons and the *left* and *right arrow* buttons, make any changes necessary for the particular Dump Request you are creating.
6. Press the Start button once you have entered the desired Dump Request bytes. The display will show:



This display allows a specific byte to be selected as the looping byte in a looped Dump Request. For devices that need looping to dump their entire memory, the loop byte may be interpreted as the program number to transmit. Specifying looping on the program number byte allows devices which can only dump one program at a time to be incremented throughout the entire program table to allow dumping all the program locations.

7. Press the *Start* button to enter the Dump Request naming display:



8. Using the *up* and *down* arrow buttons and the *left* and *right arrow* buttons, first select the location for the request to be stored in; then program the desired 11 character name.

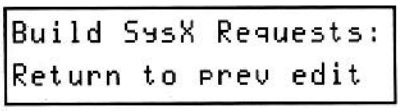
9. Press the *Start* button to store the selected Dump Request name and location. The display will show:

Return to previous edit

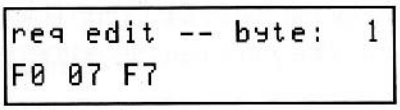
The MIDI Streamer always stores the last edited Dump Request in non-volatile RAM. By using the "return to prev edit' function, you can recall your last edit, make changes, and store it.

To return to a previous edit:

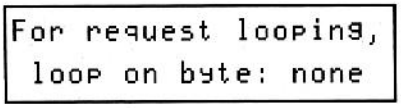
1. Press the *Req* button. The display will be similar to this:



2. If you don't see this display, press the *up* or *down arrow* button until you do.
3. Press the *Start* button. You should see the following display:



4. Using the *up* and *down arrow* buttons and the *left* and *right arrow* buttons, make any changes necessary for the particular Dump Request you are creating.
5. Press the Start button once you have entered the desired Dump Request bytes. The display will show:



This display allows a specific byte to be selected as the looping byte in a looped Dump Request. For devices that need looping to dump their entire memory, the loop byte may be interpreted as the program number to transmit. Specifying looping on the program number byte allows devices which can only dump one program at a time to be incremented throughout the entire program table to allow dumping all the program locations.

6. Press the *Start* button to enter the Dump Request naming display:

7. Using the *up* and *down* arrow buttons and the *left* and *right arrow* buttons, first select the next empty location for the request to be stored in; then program the desired 11 character name.

8. Press the *Start* button to store the selected Dump Request name and location. The display will show:

Dump Request backup

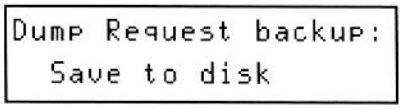
The Dump Request commands are saved as a data file to disk. In order for the Dump requests to be utilized as individual commands, they must be extracted from the data file which they are stored to disk in.

Save to disk

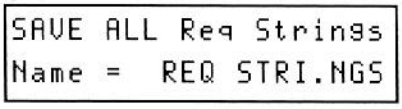
The MIDI Streamer is shipped with Dump requests for all of the Peavey products, as well as additional Dump requests for other products, in non-volatile RAM. These Dump Requests should be saved as data files to disk for later usage. Also when Dump requests are created, renamed, or edited in any way, they should be saved to a data file and saved to disk.

To save a Dump Request to disk:

1. Press the *Req* button. The display will be similar to this:

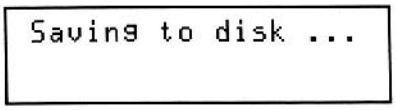


2. If you don't see this display, press the *Req* button again and then press the *up* or *down arrow* button until you do.
3. Press the *Start* button. You should see the following display:

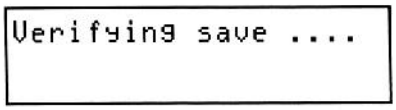


4. You can use this default name or you can use the *up* and *down arrow* buttons to rename the request strings to a file name of your choice.

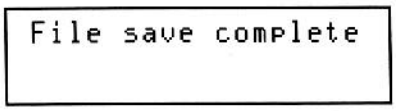
5. Once the file name is determined, press the *Start* button. The following displays will appear:



then



then

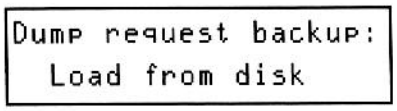


Load from disk

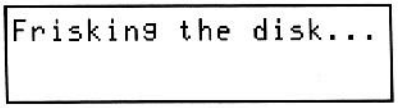
When loading a set of Dump Request strings from disk, it is necessary to extract the Dump Requests from the data file so that they may be accessed for use or editing.

To load a Dump Request from disk:

1. Press the *Req* button. The display will be similar to this:

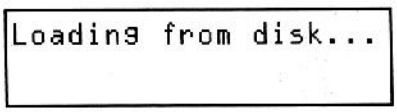


2. If you don't see this display, press the *Req* button again and then press the *up* or *down arrow* button until you do.
3. Press the *Start* button. You should see the following displays:

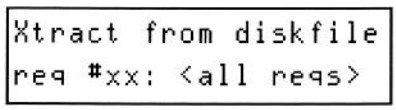


then

4. You can use the *up* and *down arrow* buttons to scroll to the file to be loaded from disk.
5. Press the *Start* button and the following displays will be shown:



then



6. Here you are allowed to choose all requests or any one request to be extracted. Press the *Start* button to begin extracting the selected request(s).
7. If only one request is to be extracted, the following display will appear

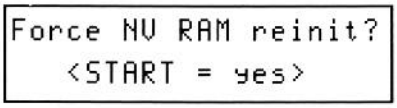
8. You can now select the location to store the request being extracted by using the *up* and *down arrow* buttons to scroll to the desired location.
9. Once the desired location is determined press, the *Start* button. The following display should appear:

9.0 Reinitialization

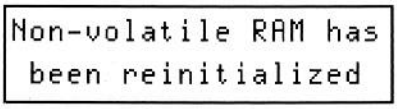
When the MIDI Streamer is reinitialized, the non-volatile memory is cleared. Any Requests which are preset within memory will be lost unless they are saved to disk.

To reinitialize the MIDI Streamer:

1. Turn the MIDI Streamer off.
2. While pressing and holding the **SysX**, **Samp**, and **Seq** *Record* buttons (top three buttons on left side of the unit), turn the unit on.
3. Keep holding the buttons down and you will see a series of display messages. The display will then show:



4. Press the *Start* button. The display will show:



10.0 Operation via System Exclusive Commands

The MIDI Streamer can be controlled by a sequencer capable of recording System Exclusive messages. Upon commands from the sequencer, the MIDI Streamer will send System Exclusive information to the selected MIDI device. This is particularly useful in the area of automated live performance to load sequences into drum

machines or to load sound banks into synthesizer modules, etc.

To operate via System Exclusive commands:

1. Connect the MIDI Output of the MIDI Streamer to the MIDI Input of the sequencer.
2. Locate the sequencer to the point in the song where you wish to put the System Exclusive message. (Typically, these are placed a few seconds before the beginning of the song.)
3. Placing the sequencer in record, press the **SysX** *Transmit* button on the MIDI Streamer, select the file to be loaded, and then press the *Start* button. The MIDI Streamer will then transmit a System Exclusive message to the sequencer. When played back from the sequencer, the System Exclusive message will instruct the MIDI Streamer to load the selected file from disk and transmit the System Exclusive dump to the particular MIDI device.

11.0 For DPM® V3 Users

The MIDI Streamer will respond to a "Get DPM 3 Index" from the DPM V3. To load a DPM 3 factory sample file into the DPM V3, load the disk file and select "XMIT ALL." Press the *Start* button to begin the transfer. After all of the samples have been sent to the DPM V3, go to the DPM V3, press the *MIDI* button, and "Inc" the page until the "SDS LOAD" screen appears. Select the "Request#" field and "Dec" it until the "Get DPM3 Index" appears. Press the *Start* button to command the MIDI Streamer to dump the Sample Index information (names, etc.) from the disk.

12.0 For DPM® 2 Users

To store sequencer data to the MIDI Streamer, use the Packetized request mode. Select a range of 0 to 99. When the DPM 2 is done, press the *Stop* button on the MIDI Streamer.

13.0 For DPM® SI Users

To store sequencer data to the MIDI Streamer, use the Packetized request mode. Select a range of 0 to 99. When the SI is done, press the *Stop* button on the MIDI Streamer.

14.0 For PC™ 1600 Users

To store all PC 1600 data to the MIDI Streamer, use the PC 1600 single request string.

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Ces clauses de garantie ne sont valables qu'aux Etats-Unis et au Canada. Dans tous les autres pays, les clauses de garantie et de maintenance sont fixees par le distributeur national et assuree par lui selon la legislation en vigueur.

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Esta garantia es valida solamente cuando el producto es comprado en E.U. continentales o en Canada. Todos los productos que sean comprados en el extranjero, estan sujetos a las garantias y servicio que cada distribuidor autorizado determine y ofrezca en los diferentes paises.

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 AUTHORIZED PEAVEY 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
Highway 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, EXPRESS 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 EXPRESS, 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 EXPRESS 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 express 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 ADDRESS:
   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.
4. Please have the Peavey product name and serial number available when communicating with Peavey Customer Service.

DANGER

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
1½	102
1	105
½	110
¼ 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 INSURE 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.

CAUTION

THIS MIXING CONSOLE/EFFECTS DEVICE/PREAMP HAS BEEN DESIGNED AND CONSTRUCTED TO PROVIDE ADEQUATE SIGNAL (VOLTAGE) FOR PLAYING MODERN MUSIC. IMPROPER USE OF THE GAIN/EQUALIZER CONTROLS AND/OR IMPROPER USE OF INTERNAL/EXTERNAL BUSSES **MAY** CREATE CLIPPING (SQUARE WAVES), AND POSSIBLY CAUSE SUBSEQUENT DAMAGE TO THE LOUDSPEAKER SYSTEMS. EXTENDED OPERATION OF THE GAIN/EQUALIZATION CONTROLS IN THEIR MAXIMUM POSITIONS IS THEREFORE **NOT** RECOMMENDED. PLEASE BE AWARE THAT **MAXIMUM POWER** CAN BE OPTAINED WITH VERY LOW SETTINGS OF THE **GAIN/EQUALIZATION** CONTROLS IF THE INPUT SIGNAL IS VERY STRONG.

IT IS COMMON PRACTICE AMONG USERS OF SOUND REINFORCEMENT EQUIPMENT TO IDENTIFY THE INDIVIDUAL CHANNELS WITH A STRIP OF TAPE PLACED ABOVE OR BELOW THE ROW OF VOLUME FADERS. MANY TYPES OR BRANDS OF TAPE HAVE A VERY STRONG ADHESIVE WHICH CAN INHIBIT THE PAINT ON THE FACEPLATE AND ACTUALLY REMOVE THE PAINT WHEN THE TAPE IS REMOVED. WE STRONGLY RECOMMEND THAT SCOTCH TAPE NOT BE USED ON PAINTED SURFACES NOR ANY OTHER TAPE THAT IS NOT ESPECIALLY DESIGNED FOR SUCH APPLICATIONS. MEDIUM OR LIGHT ADHESIVE MASKING OR MIXER LABEL TAPE IS RECOMMENDED IF TAPE IS USED. ANY TAPE LEFT ON PAINTED SURFACE FOR EXTENDED PERIODS WILL BE DIFFICULT TO REMOVE. NEVER USE CLEAR OR SCOTCH TAPE FOR THESE APPLICATIONS.

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.
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 to attempt to service this equipment. All service work should be done by a qualified service technician.

Features and specifications subject to change without notice.

Peavey Electronics Corporation / 711 A Street / Meridian, MS 39302-2898 / U.S.A. / (601) 483-5365 Telex: 504115 / FAX: 484-4278
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