

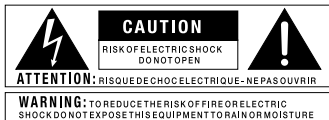
JamMan[®]

LOOPER/PHRASE SAMPLER STEREO

Owner's Manual



IMPORTANT SAFETY INFORMATION



The symbols shown above are internationally accepted symbols that warn of potential hazards with electrical products. The lightning flash with arrowpoint in an equilateral triangle means that there are dangerous voltages present within the unit. The exclamation point in an equilateral triangle indicates that it is necessary for the user to refer to the owner's manual.

These symbols warn that there are no user serviceable parts inside the unit. Do not open the unit. Do not attempt to service the unit yourself. Refer all servicing to qualified personnel. Opening the chassis for any reason will void the manufacturer's warranty. Do not get the unit wet. If liquid is spilled on the unit, shut it off immediately and take it to a dealer for service. Disconnect the unit during storms to prevent damage.

SAFETY INSTRUCTIONS

NOTICE FOR CUSTOMERS IF YOUR UNIT IS EQUIPPED WITH A POWER CORD.

WARNING: THIS APPLIANCE SHALL BE CONNECTED TO A MAINS SOCKET OUTLET WITH A PROTECTIVE EARTHING CONNECTION.

The cores in the mains lead are coloured in accordance with the following code:

GREEN and YELLOW - Earth **BLUE** - Neutral **BROWN** - Live

As colours of the cores in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

- The core which is coloured green and yellow must be connected to the terminal in the plug marked with the letter E, or with the earth symbol, or coloured green, or green and yellow.
- The core which is coloured blue must be connected to the terminal marked N or coloured black.
- The core which is coloured brown must be connected to the terminal marked L or coloured red.

This equipment may require the use of a different line cord, attachment plug, or both, depending on the available power source at installation. If the attachment plug needs to be changed, refer servicing to qualified service personnel who should refer to the table below. The green/yellow wire shall be connected directly to the units chassis.

CONDUCTOR	WIRE COLOR	
	Normal	Alt
L	LIVE	BROWN BLACK
N	NEUTRAL	BLUE WHITE
E	EARTH GND	GREEN/ YEL GREEN

WARNING: If the ground is defeated, certain fault conditions in the unit or in the system to which it is connected can result in full line voltage between chassis and earth ground. Severe injury or death can then result if the chassis and earth ground are touched simultaneously.

WARNING FOR YOUR PROTECTION READ THE FOLLOWING:

KEEP THESE INSTRUCTIONS

HEED ALL WARNINGS

FOLLOW ALL INSTRUCTIONS

THE APPARATUS SHALL NOT BE EXPOSED TO DRIPPING OR SPLASHING LIQUID AND NO OBJECT FILLED WITH LIQUID, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS

CLEAN ONLY WITH A DRY CLOTH.

DO NOT BLOCK ANY OF THE VENTILATION OPENINGS. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

DO NOT INSTALL NEAR ANY HEAT SOURCES SUCH AS RADIATORS, HEAT REGISTERS, STOVES, OR OTHER APPARATUS (INCLUDING AMPLIFIERS) THAT PRODUCE HEAT.

ONLY USE ATTACHMENTS/ACCESSORIES SPECIFIED BY THE MANUFACTURER.

UNPLUG THIS APPARATUS DURING LIGHTNING STORMS OR WHEN UNUSED FOR LONG PERIODS OF TIME.

Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or third prong are provided for your safety. If the provided plug does not fit your outlet, consult an electrician for replacement of the obsolete outlet.

Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

MAINS DISCONNECT: The plug shall remain readily operable. For rack-mount or installation where plug is not accessible, an all-pole mains switch with a contact separation of at least 3 mm in each pole shall be incorporated into the electrical installation of the rack or building.

IMPORTANT SAFETY INFORMATION

ELECTROMAGNETIC COMPATIBILITY

This device complies with part 15 of the FCC Rules and the Product Specifications noted on the **Declaration of Conformity**. Operation is subject to the following two conditions:

- this device may not cause harmful interference, and
- this device must accept any interference received, including interference that may cause undesired operation.

Operation of this unit within significant electromagnetic fields should be avoided.

- use only shielded interconnecting cables.

DECLARATION OF CONFORMITY

Manufacturer's Name: Harman Music Group
Manufacturer's Address: 8760 S. Sandy Parkway
Sandy, Utah 84070, USA

declares that the product:

Product name: JamMan Stereo

Product option: all (requires Class II power adapter that conforms to the requirements of EN60065, EN60742, or equivalent.)

conforms to the following Product Specifications:

Safety: IEC 60065 -01+Amd 1

EMC: EN 55022:2006
EN 55024:1998
FCC Part 15

Supplementary Information:

The product herewith complies with the requirements of the:
Low Voltage Directive 2006/95/EC
EMC Directive 2004/108/EC.
RoHS Directive 2002/95/EC
WEEE Directive 2002/96/EC
EC Regulation 278/2009

With regard to Directive 2005/32/EC and EC Regulation 1275/2008 of 17 December 2008, this product is designed, produced, and classified as Professional Audio Equipment and thus is exempt from this Directive.

Director, Engineering
Signal Processing
8760 S. Sandy Parkway
Sandy, Utah 84070, USA
Date: April 28, 2011

European Contact: Your local Digitech Sales and Service Office or

Harman Music Group
8760 South Sandy Parkway
Sandy, Utah
84070 USA
Ph: (801) 566-8800
Fax: (801) 568-7583

U.K. MAINS PLUG WARNING

A molded mains plug that has been cut off from the cord is unsafe. Discard the mains plug at a suitable disposal facility.

NEVER UNDER ANY CIRCUMSTANCES SHOULD YOU INSERT A DAMAGED OR CUT MAINS PLUG INTO A 13 AMP POWER SOCKET.

Do not use the mains plug without the fuse cover in place. Replacement fuse covers can be obtained from your local retailer. Replacement fuses are 13 amps and **MUST** be ASTA approved to BS1362.



If you want to dispose this product, do not mix it with general household waste. There is a separate collection system for used electronic products in accordance with legislation that requires proper treatment, recovery and recycling.

Private household in the 25 member states of the EU, in Switzerland and Norway may return their used electronic products free of charge to designated collection facilities or to a retailer (if you purchase a similar new one).

For Countries not mentioned above, please contact your local authorities for a correct method of disposal.

By doing so you will ensure that your disposed product undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health.

Warranty

We at DigiTech® are very proud of our products and back up each one we sell with the following warranty:

1. The warranty registration card must be mailed within ten days after purchase date to validate this warranty, or you can register via our website (www.digitech.com).
2. DigiTech warrants this product, when used solely within the U.S., to be free from defects in materials and workmanship under normal use and service.
3. DigiTech liability under this warranty is limited to repairing or replacing defective materials that show evidence of defect, provided the product is returned to DigiTech WITH RETURN AUTHORIZATION, where all parts and labor will be covered up to a period of one year (this warranty is extended to a period of six years when the product has been properly registered by mail or through our website). A Return Authorization number may be obtained from DigiTech by telephone. The company shall not be liable for any consequential damage as a result of the product's use in any circuit or assembly.
4. Proof-of-purchase is considered to be the burden of the consumer.
5. DigiTech reserves the right to make changes in design, or make additions to, or improvements upon this product without incurring any obligation to install the same on products previously manufactured.
6. The consumer forfeits the benefits of this warranty if the product's main assembly is opened and tampered with by anyone other than a certified DigiTech technician or, if the product is used with AC voltages outside of the range suggested by the manufacturer.
7. The foregoing is in lieu of all other warranties, expressed or implied, and DigiTech neither assumes nor authorizes any person to assume any obligation or liability in connection with the sale of this product. In no event shall DigiTech or its dealers be liable for special or consequential damages or from any delay in the performance of this warranty due to causes beyond their control.

NOTE: The information contained in this manual is subject to change at any time without notification. Some information contained in this manual may also be inaccurate due to undocumented changes in the product or operating system since this version of the manual was completed. The information contained in this version of the owner's manual supersedes all previous versions.

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Overview

Congratulations and special thanks from DigiTech® for choosing the DigiTech JamMan® Stereo Looper/Phrase Sampler.

The JamMan Stereo Looper can store 35 minutes of CD-quality loops in 99 internal memories and has an SD memory card expansion slot so you can store over 16 hours of material in an additional 99 slots. The JamMan Stereo features true stereo looping, reverse playback, and a mic input making it perfect for backing tracks or DJ applications.

The JamMan Stereo features USB connectivity and will sync to DigiTech's free JamManager™ software that organizes and saves your JamMan Stereo's loops to a PC or Mac. The JamManager also lets you quickly create custom JamLists to take to your gig.

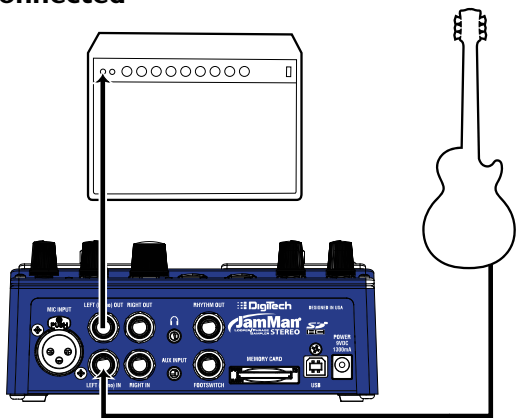
Features:

- Store over 35 minutes of stereo, CD-Quality loops in 99 internal memories
- Optional SDHC card can store over 16 hours* of CD-quality audio in 99 additional memories (198 total memories)
- Reverse Playback
- Downloadable JamManager™ librarian for PC and Mac archives and organizes your loops over USB.
- Auto Quantized looping
- Aux Input lets you import music from CD and MP3 players
- 3 Stop modes (Stop, Finish, and Fade)
- Time Stretching lets you slow down or speed up loops without changing pitch
- Balanced XLR mic input with dedicated gain control is perfect for dynamic and self-powered microphones
- Metronome with multiple rhythm sounds and time signatures
- Automatic recording
- Optional footswitch adds additional Hands-Free™ functionality

* with optional 16GB or higher SDHC memory card

Quick Start

I. Get Connected



Before powering up your JamMan® Stereo:

a. Make Connections

1. Connect a guitar or bass to the **LEFT (Mono) IN** jack on the JamMan Stereo's rear panel.
2. Connect the JamMan Stereo's **LEFT (Mono) OUT** to the input of an amplifier or a channel of a mixer.

b. Connect the Power Supply

1. Start with your amplifier and the JamMan turned off or the mixer faders at their minimum position.
2. Turn the **LOOP LEVEL**, **RHYTHM LEVEL**, **MIC LEVEL**, and **INST LEVEL** knobs all the way down on the JamMan Stereo.
3. Connect the power supply to the **POWER** jack on the JamMan Stereo.
4. Connect the other end of the power supply to an AC outlet.
5. Turn your amplifier on and turn up its volume to a normal playing level or bring up the mixer's faders to a nominal level.

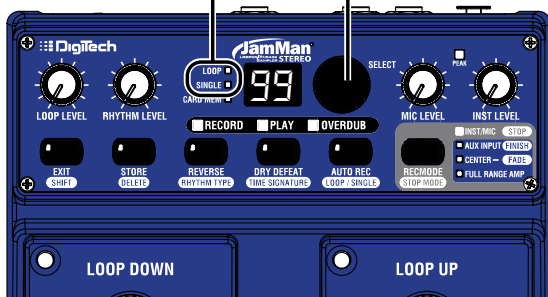
Quick Start

2. Select an Empty Loop

Rotate the **SELECT** knob or use the **LOOP UP/LOOP DOWN** footswitches until the **LOOP LED** and the **SINGLE LED** are off.

Turn the SELECT knob...

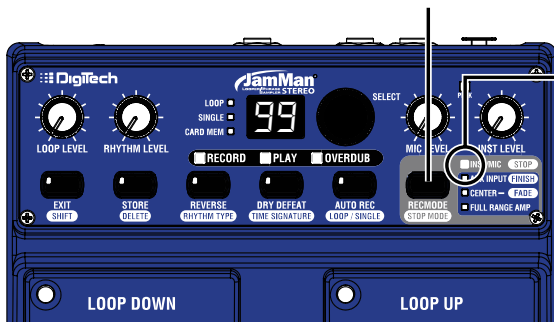
...until these LEDs
are off.



3. Select the Record Mode

Press the **REC MODE** button repeatedly until the **INST/MIC LED** lights.

Press the RECORD MODE button...



...until the
INST/MIC
LED lights

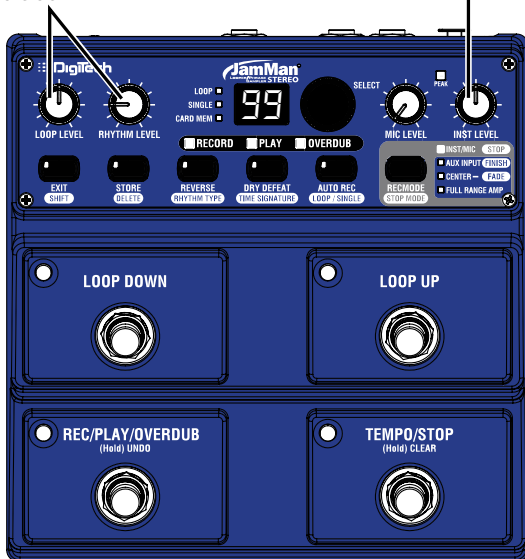
Quick Start

4. Adjust the Recording Level

Set the **INST LEVEL** and **LOOP LEVEL** knobs to 12 o'clock. Set the **RHYTHM LEVEL** knob to the 9 o'clock position.

Set the **LOOP LEVEL** to 12 o'clock and the **RHYTHM LEVEL** knob to 9 o'clock

Set the **INST LEVEL** knob to 12 o'clock

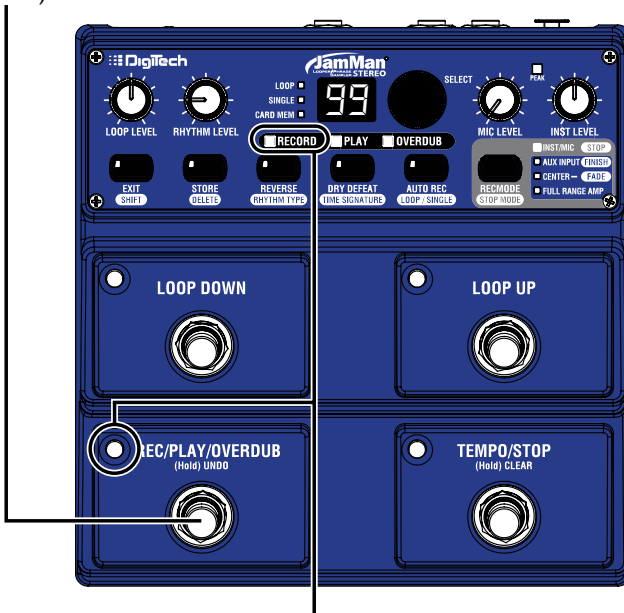


Quick Start

5. Start Recording

Press the **REC/PLAY/OVERDUB** (lower left) footswitch to start recording. While recording, the **REC/PLAY/OVERDUB** footswitch and **RECORD** LEDs will light red.

Press the **REC/PLAY/OVERDUB**
(lower left) footswitch.



While recording, the
RECORD and **REC/PLAY/OVERDUB**
LEDs light solid red.

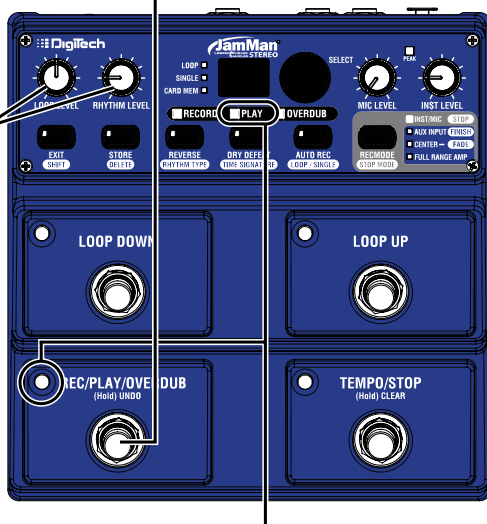
Quick Start

6. Start Loop Playback

Press the **REC/PLAY/OVERDUB** (lower left) footswitch while recording to set the loop point and start playing back from the beginning. The **REC/PLAY/OVERDUB** footswitch and **PLAY** LEDs light green. Adjust the **LOOP LEVEL** and **RHYTHM LEVEL** knobs as needed.

Press the **REC/PLAY/OVERDUB** (lower left) footswitch while recording to stop recording and start playback.

Adjust the **LOOP LEVEL** and **RHYTHM LEVEL** knobs as necessary.



During playback, the **PLAY** and **REC/PLAY/OVERDUB** LEDs light solid green.

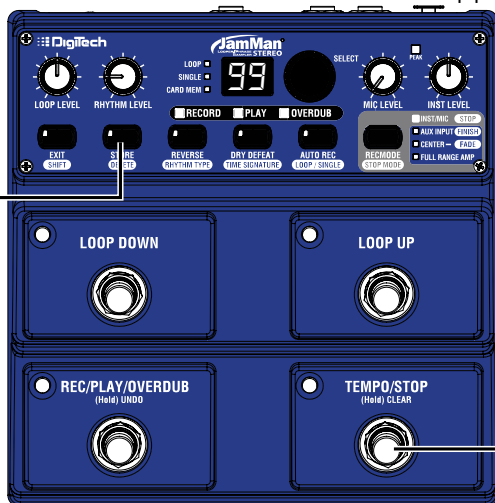
Quick Start

7. Stop Playback/Store the Loop

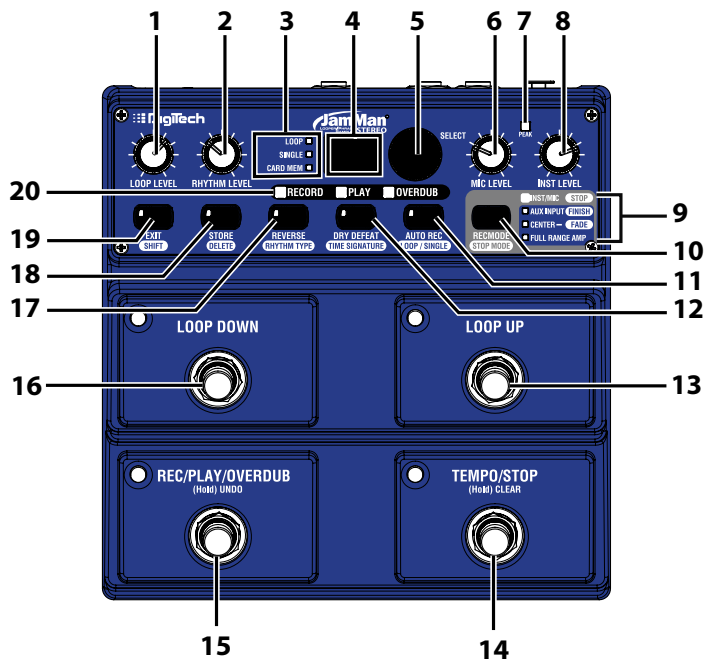
Press the **TEMPO/STOP** (lower right) footswitch to stop playback, then press the **STORE** button twice to store the loop.

First press the **TEMPO/STOP** (lower right) footswitch to stop playback.

Then press the **STORE** button twice to store the loop.



Guided Tour - Front Panel



- 1. Loop Level**
Controls the playback level of the loop phrase.
- 2. Rhythm Level**
Controls the level of the Rhythm guide track.
- 3. Loop/Single/Card Mem LEDs**

Loop LED

This green LED indicates the current phrase memory is set to playback continuously as a loop when play is initiated. Loop is the default setting when a phrase is recorded meaning any audio that is

Guided Tour - Front Panel

recorded will be recorded as a loop phrase. Loop phrases can be converted to Single phrases and vice versa. The Loop LED will also flash during processes where the internal memory or optional SD memory is being accessed (loading a loop, Time Stretching, or store/copy procedure).

Single

This yellow LED indicates the current phrase memory is set to playback only once when play is initiated. Single phrases can be converted to Loop phrases and vice versa. The Single LED will also flash during processes where the internal memory or optional SD memory is being accessed (loading a loop, Time Stretching, or store/copy procedure).

Card Mem

This red LED is lit when you are selecting loop memories on the optional SD/SDHC memory card. When this LED is off, loops are being selected from the JamMan® Stereo's internal memory.

4. Display

The Display shows the currently selected loop memory location. It also shows information during store/copy procedures, during Time Signature and Rhythm Type setup, file deletion, and card formatting procedures.

5. Select Knob

The Loop Select knob is used for selecting different loop memories and making selections when in other modes (such as Time Signature and Rhythm Type).

Guided Tour - Front Panel

6. **Mic Level Knob**

This knob controls the input signal level from the XLR Mic Input jack.

7. **Peak LED**

This LED lights when Instrument, Mic, or Aux Input signals are detected by the JamMan® Stereo. This LED will light green when a signal is present, yellow when approaching the A/D clipping point, and red when clipping is present.

A good practice is to set the Inst Level and Loop Level controls at the 12 o'clock position when using an electric guitar or bass. This provides a unity gain signal through the JamMan Stereo when connected to your amplifier.

For all other uses, set the Input Level controls so the green and yellow LEDs light regularly but rarely lights the red LED. If the Aux Input is being used, adjust the output level of the audio source to set the input level appropriately.

8. **Instrument Level Knob**

This knob controls the input signal level from the Left (Mono) and Right Input jacks.

9. **Record Mode/Stop Mode LEDs**

Inst/Mic (Stop) LED

This LED indicates the Instrument/Mic inputs are selected for recording. When the Shift button is enabled, this LED will light when the “Stop” stop mode is selected for the Loop (see page 36).

Guided Tour - Front Panel

Aux Input (Finish) LED

This LED indicates the Aux Input is selected for recording (see page 34). When the Shift button is enabled, this LED will light when the “Finish” stop mode is selected for the Loop.

Center – (Fade) LED

This LED lights when the Aux Input is selected for recording with the Center – (center minus) option applied (see page 34). When the Shift button is enabled, this LED will light when the “Fade” stop mode is selected for the Loop.

Full Range Amp LED

This LED lights when the Aux Input is selected for recording. The program material will be recorded with an equalization curve so that when it is played through a guitar amp it will more closely retain its original frequency response (see page 34).

10. **Record Mode (Stop Mode) Button**

Press this button to select the inputs that are to be recorded: Inst/Mic or Aux Input with options of “Center Minus” and/or Full Range Amp (indicated by the LEDs next to the button).

Press this button while the Shift button is lit to select one of three Stop Modes: Stop, Finish, or Fade, indicated by the LEDs next to the button (see page 36).

11. **Auto Record (Loop/Single) Button**

Press this button to enable Auto Record for all empty loop memories. When Auto Record is enabled, you can arm the JamMan® Stereo to record but recording only starts when you begin playing (see page 26).

Guided Tour - Front Panel

Press this button while the Shift button is lit to change the playback status of a recorded phrase. When the Loop LED is lit the phrase will play back in an endless loop. When the Single LED is lit, the phrase will play once and stop.

12. **Dry Defeat (Time Signature) Button**

Press and hold this button to defeat dry signal through the JamMan® Stereo. Dry Defeat should be used when connecting to parallel effects loops of amps that have them or when the JamMan is used in an Aux Send of a mixer.

Press this button while the Shift button is lit to change the Time Signature (see page 40). Note that Time Signature can only be changed for a memory location that has no phrase recorded in it.

13. **Loop Up Footswitch**

This footswitch selects the next higher loop memory. Press and hold this footswitch to scroll quickly through internal and optional SD card memories.

14. **Tempo/Stop (Hold) Clear Footswitch**

This footswitch Stops recording, playback and overdubbing of the phrase. It is also used to set the tempo before recording a loop or for changing the tempo of a stored loop. Press and hold this footswitch for two seconds to clear any audio in a loop that has not been stored. Pressing and holding this footswitch can also restore the stored tempo if it has been changed.

15. **Rec/Play/Overdub (Hold) Undo Footswitch**

This footswitch is used for recording, playing, and overdubbing loops. Pressing and holding this footswitch for two seconds will undo or redo the last overdub.

Guided Tour - Front Panel

16. **Loop Down Footswitch**

This footswitch selects the next lower loop memory. Press and hold this footswitch to scroll quickly through internal and optional SD card memories.

17. **Reverse (Rhythm Type) Button**

Press this button to make the recorded loop phrase play back in reverse.

Press this button while the Shift button is lit to change the Rhythm Type. Turn the Loop Select knob to change the active rhythm guide track. You can hear the different rhythm types as they are selected only if Rhythm Level is turned up and a loop is playing or when a tempo is being set in an empty phrase memory (see page 48).

18. **Store (Delete) Button**

Press to store/copy changes made to a memory location. This button will light when a change has been made indicating the change must be stored for later recall. Changes that are not stored will be lost when a different loop is selected or the JamMan® Stereo is turned off. Press this button while the Shift button is lit to delete the contents of the current memory location (see page 50).

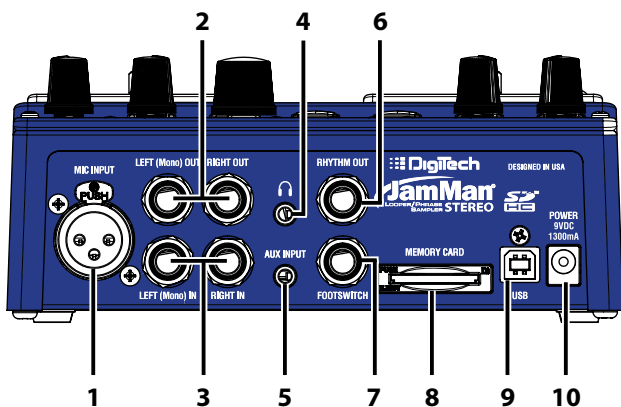
19. **Exit (Shift) Button**

Press this button to exit procedures like Store and Delete or to enable and disable the secondary Shift button functions. Shift is active when this button is lit.

20. **Record/Play/Overdub Status LEDs**

Indicates which function is active during performance.

Guided Tour - Rear Panel



1. **Mic Input**

Connect a microphone here. The mic input accepts low impedance dynamic or self-powered condenser microphones. The mic input is recorded to both left and right channels of a loop recorded in the JamMan® Stereo.

2. **Left (Mono) and Right Outputs**

Connect the Left (Mono) output to the input of a guitar amplifier, mixer channel, another pedal's input, or amp effects return.

Connect the Right output to the input of a second guitar amplifier when a second amp is being used or to a second mixer channel.

3. **Left (Mono) and Right Inputs**

Connect your instrument, another pedal's output, or an amp effects send to the Left (Mono) input jack. Signals are heard at both outputs when only the Left (Mono) jack is used.

Guided Tour - Rear Panel

Connect a second instrument or second output from a previous pedal for stereo operation. Left and Right inputs are processed separately through the looper and then fed to the Left and Right outputs to keep true stereo separation between channels.

4. **Headphone Output**

This is a stereo headphone output that lets the JamMan® Stereo be used without having to connect to an amp or mixer. This output uses the same mix as presented at the 1/4" outputs, meaning if a single cable is plugged into the Left (Mono) Output, the headphone output will also be in mono.

5. **Aux Input**

Plug your portable MP3/CD player in here. When the Aux Input Minus Center option is selected, any stereo source is summed to mono when recorded (see page 34).

6. **Rhythm Output Jack**

Use this jack to isolate the Rhythm Output from the looped audio. Plugging into this output will defeat the Rhythm guide track in the left and right outputs (see page 49).

7. **Footswitch Jack**

Plug the optional FS3X Footswitch in here. FS3X footswitches select Undo, Reverse, and Tempo (see page 59).

8. **SD/SDHC Card Slot**

The JamMan Stereo is compatible with optional SD/SDHC memory cards up to 32GB in size for expanding the total amount of loop storage time available. Adding an SD card also increases the number of available loops from 99 to 198. New cards should be formatted

Guided Tour - Rear Panel

in the JamMan® Stereo before use (see page 55). The JamMan Stereo ships with 35 minutes of internal stereo loop memory.

9. **USB Jack**

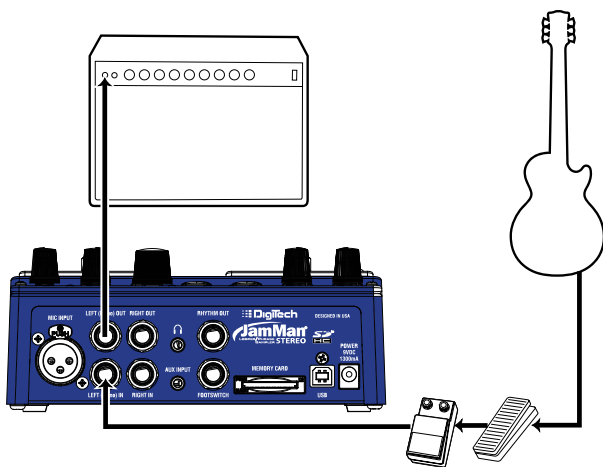
The USB jack provides a connection to a Windows or Mac computer for transferring loop files to and from the JamMan Stereo via the downloadable JamManager™ loop librarian application.

10. **Power Jack**

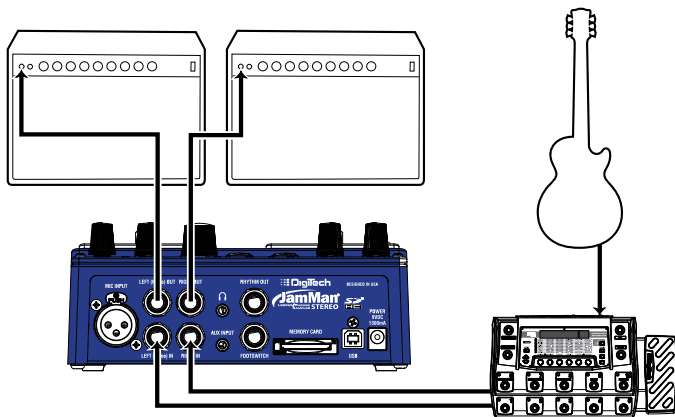
Connect the included power supply here. The JamMan Stereo can only be powered by using the external adapter.

Making Connections

Instrument - Mono

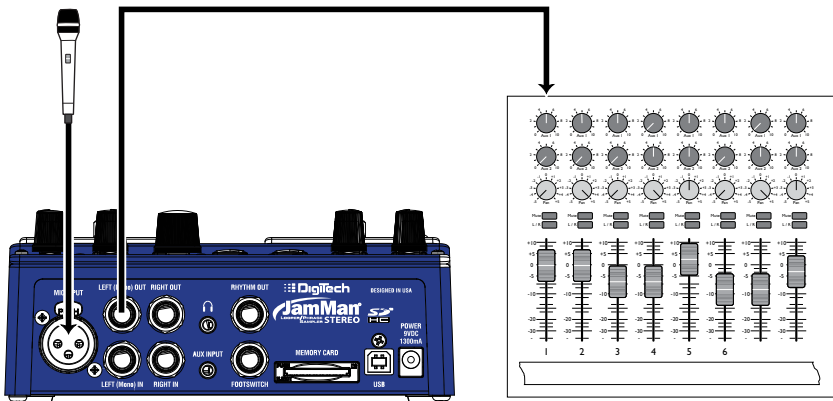


Instrument - Stereo

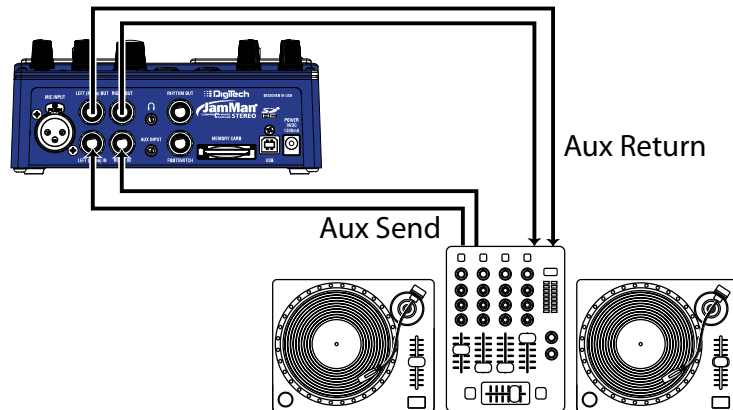


Making Connections

Mic/Vocal Performance

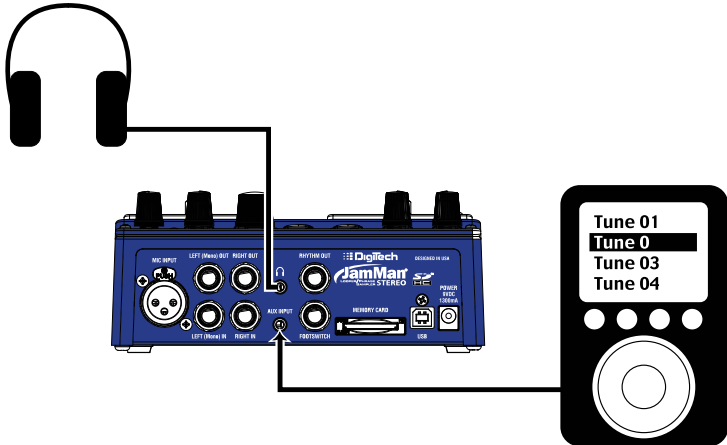


DJ Setup

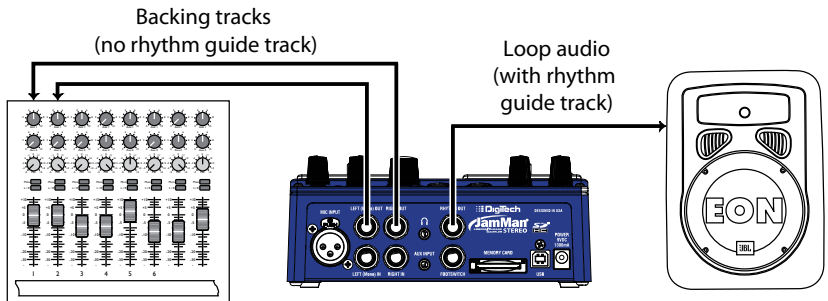


Making Connections

MP3 Player/Headphones



Backing Tracks



Selecting a Loop

The JamMan® Stereo has two banks of loop memory, internal and optional card memory. There are 99 memory locations available in each of these banks for a total of 198 memories when an optional SD/SDHC memory card is installed. The card memory bank is only available when a memory card is installed.

To select loops, Press either the **LOOP UP** or **LOOP DOWN** footswitches or use the **LOOP SELECT** knob next to the **DISPLAY**.

Pressing the **LOOP UP** footswitch will select the next loop above the current loop. Pressing the **LOOP DOWN** footswitch will select the previous loop below. Pressing and holding either of these footswitches will scroll through the loop memories in its respective direction. The **DISPLAY** will show the memory location number as these buttons are pressed.

When Loop 99 is reached, pressing the **LOOP UP** footswitch will return to the first memory location (1 will be shown in the display). Likewise, if Loop 1 is reached, pressing the **LOOP DOWN** footswitch will return to the last memory location (99 will be shown in the **DISPLAY**). If an optional memory card is installed, pressing the **LOOP UP** or **LOOP DOWN** footswitches will alternate through one bank of memories and then the next (1-99 internal and then 1-99 card). The **CARD MEM** LED will light when memories are selected on the optional external card.

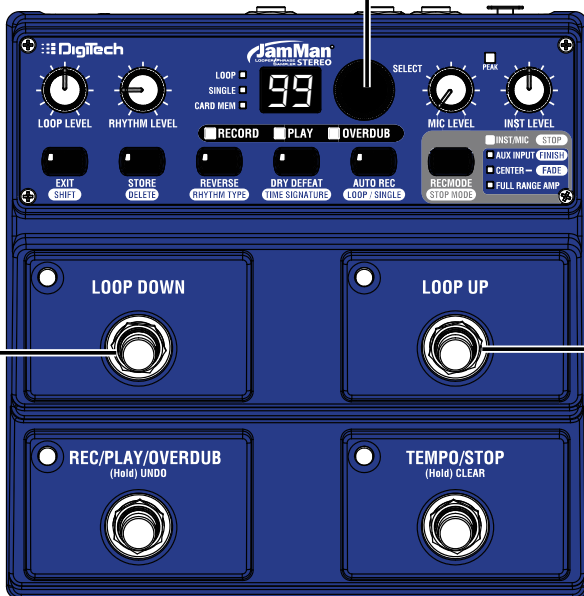
As loops are selected, the **LOOP** or **SINGLE** LED will flash as the loop is loaded from internal or optional card memory. Trying to store, copy, or change the loop tempo during this time is ignored (bu will be displayed indicating the JamMan Stereo is busy loading a loop from memory).

Selecting a Loop

Loop Down
footswitch

Loop Select knob

Loop Up
footswitch



Recording a Loop - Inst/Mic Input

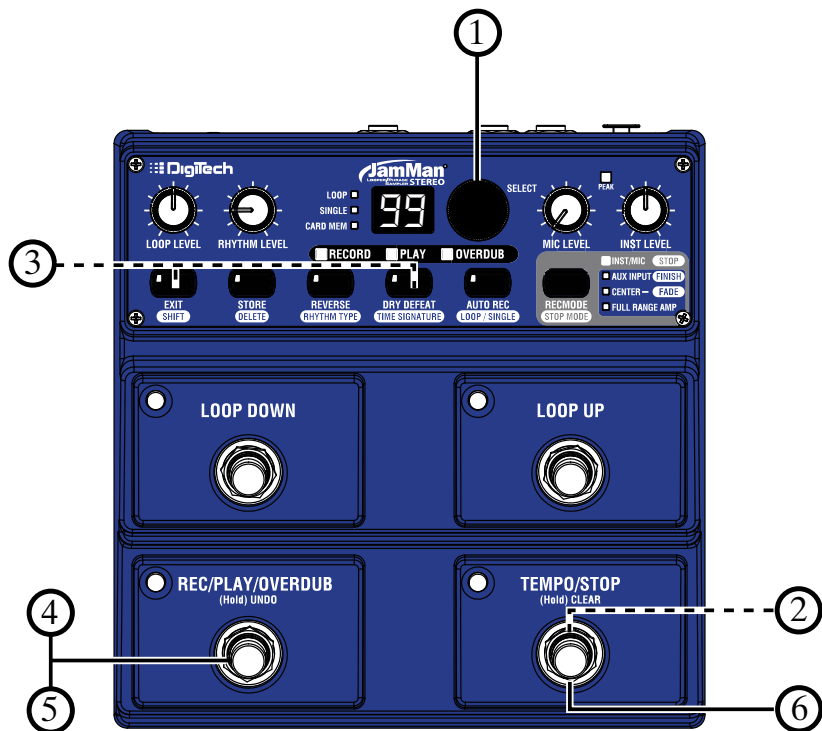
The JamMan® Stereo is designed to be very simple to use right out of the box. This section explains how to record a phrase and play it back as a continuous loop. You should have an instrument or audio device connected to the 1/4" inputs or a mic connected to the XLR mic input before proceeding.

NOTE: The maximum loop time the JamMan Stereo can record or play is 10 minutes.

1. Select an empty memory location using the **LOOP SELECT** knob or the **LOOP UP/LOOP DOWN** footswitches (the **LOOP** and **SINGLE** LEDs will be off).
2. (Optional) If you would like to perform to a guide track, you must set a tempo. The rhythm guide track will not be heard until a tempo has been set. You can set a tempo by tapping the **TEMPO/STOP** footswitch. Adjust the **RHYTHM LEVEL** knob to a suitable volume. The **TEMPO/STOP** footswitch will now be flashing at the set tempo (see page 42).
3. (Optional) Set the Time Signature to something other than 4/4, if desired (see page 40).
4. Press the **REC/PLAY/OVERDUB** footswitch and begin playing or singing to start recording. If a tempo has been set, there will be a single measure count-in indicated by the **TEMPO** footswitch before recording begins. The **REC/PLAY/OVERDUB** footswitch will then light solid red, the **LOOP** LED will light, and recording will start. If no tempo has been set, recording will begin instantly after the **REC/PLAY/OVERDUB** footswitch is pressed and you begin playing.
5. When you are ready to set the loop point for your phrase, press the **REC/PLAY/OVERDUB** footswitch to set the loop point and have the phrase play back in a repeating loop. The **REC/PLAY/OVERDUB** footswitch and **PLAY** status LEDs will light solid green.
6. Press the **TEMPO/STOP** footswitch to stop the loop playback.

Once you are finished recording, the **STORE** button will be lit indicating the phrase must be stored to memory to be recalled later.

Recording a Loop - Inst/Mic Input



Auto Record Mode

The JamMan® Stereo's Auto Record feature lets the JamMan automatically begin recording when you begin playing or when audio is detected at the JamMan Stereo's inputs. When enabled, Auto Record works globally on all empty loop memories; you cannot use Auto Record with an existing loop. When the **REC/PLAY/OVERDUB** footswitch is pressed, the JamMan Stereo is armed for recording but won't start recording until you start playing (the **RECORD** status and **REC/PLAY/OVERDUB** footswitch LEDs flash red to show that the JamMan is armed). The JamMan monitors the input level and starts the recording when it detects an audio signal.

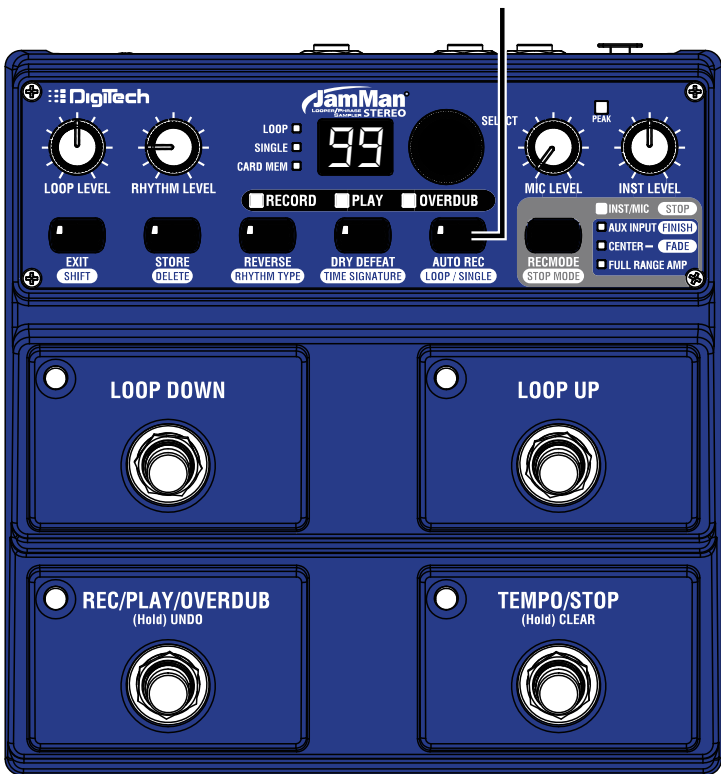
If you've tapped in a tempo while Auto Record is enabled, the rhythm guide track will begin playing. Pressing the **REC/PLAY/OVERDUB** footswitch will arm the JamMan Stereo for recording. As soon as signal is detected, recording will begin immediately.

Changing to an empty loop memory while **AUTO REC** is enabled will preserve the **AUTO REC** state (the **AUTO REC** button will turn off when a memory that has a loop already stored in it is selected).

To turn off Auto Record, press the **AUTO REC** button until it turns off.

Auto Record Mode

Auto Record button



Recording a Loop Using Auto Record

The JamMan® Stereo has an Auto Record feature that automatically starts recording when signal is detected at any of the JamMan Stereo's inputs.

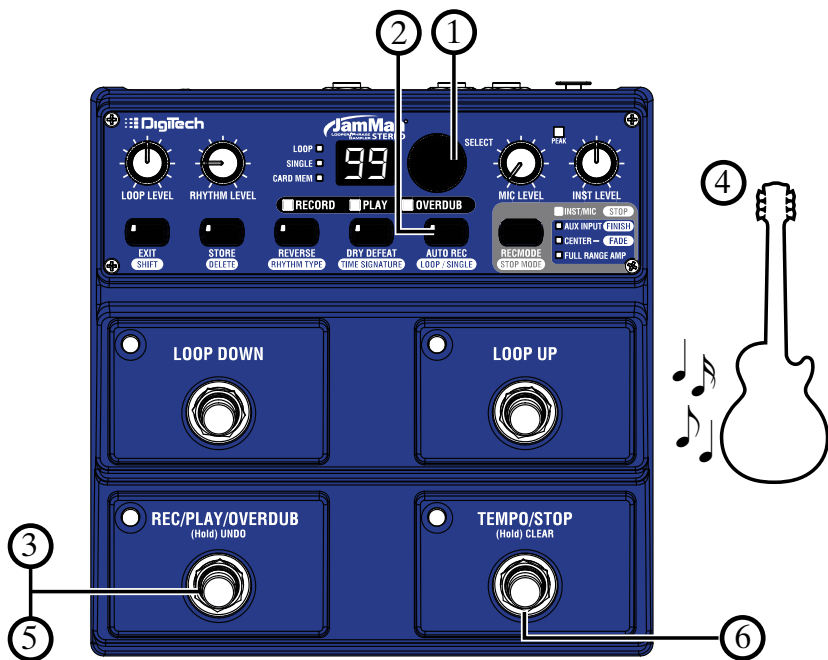
NOTE: The maximum loop time the JamMan Stereo can record or play is 10 minutes. You can't auto-record on an existing loop; Auto Record is only available when an empty loop memory is selected.

Here is how to use Auto Record when recording a loop.

1. Select an empty memory location using the **LOOP SELECT** knob or **LOOP UP/LOOP DOWN** footswitches (the **LOOP** and **SINGLE** LEDs will be off). If the **CARD MEM** LED is lit, you have selected an empty location on the optional memory card.
2. Press the **AUTO REC** button so it is lit.
3. Press the **REC/PLAY/OVERDUB** footswitch to arm record. The **REC/PLAY/OVERDUB** footswitch and **RECORD** status LEDs will be quickly flashing red indicating the JamMan Stereo is armed for recording.
4. Begin playing a phrase on your guitar. The **REC/PLAY/OVERDUB** footswitch and **RECORD** status LEDs will light solid red to indicate recording is now taking place.
5. When you are finished recording, press the **REC/PLAY/OVERDUB** footswitch once to set the loop point and have the phrase play back in a repeating loop. The **REC/PLAY/OVERDUB** footswitch and **PLAY** status LEDs will light solid green.
6. Press the **TEMPO/STOP** footswitch to stop the loop playback.

Once you are finished recording, the **STORE** button will be lit indicating the phrase must be stored to memory to be recalled later.

Recording a Loop Using Auto Record



Recording Overdubs

Once a loop phrase is recorded, you can add overdubs over the top of it. Overdubs can only be recorded to Loop phrases and not to Single phrases.

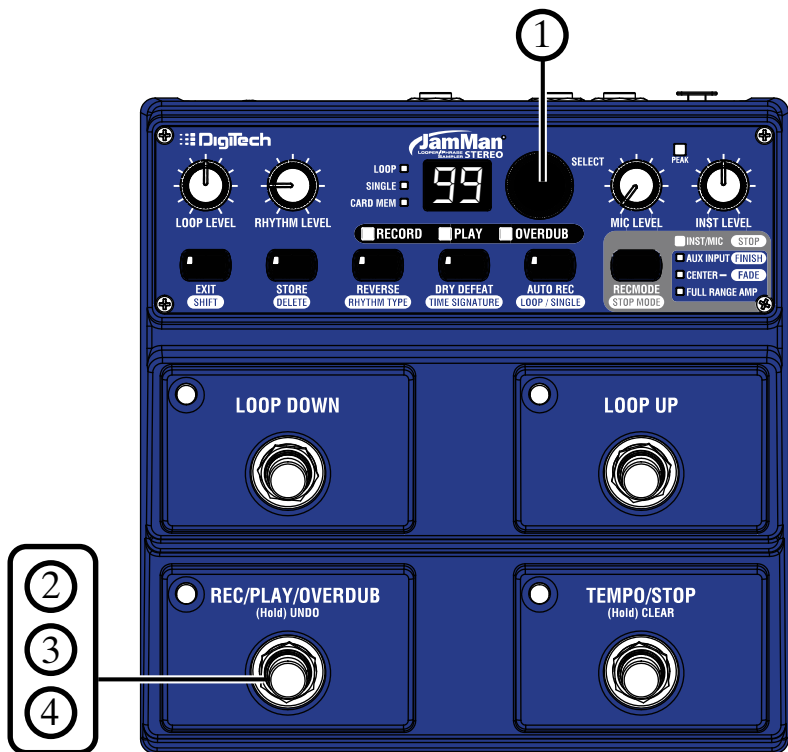
1. Use the **SELECT** knob or the **LOOP UP/LOOP DOWN** footswitches to select a previously recorded Loop phrase, or use a newly recorded phrase that has not yet been stored. The **LOOP** LED must be lit if a previously recorded phrase is selected. If the **CARD MEM** LED is lit, you have selected a loop on the optional memory card.
2. Press the **REC/PLAY/OVERDUB** footswitch. This footswitch and the **PLAY** status LEDs will light solid green and the phrase will begin playing.
3. Press and release the **REC/PLAY/OVERDUB** footswitch again to begin overdub recording. This footswitch and the **OVERDUB** status LEDs will now light solid yellow and any audio introduced on the selected input will be added to the audio the playback.
4. When you have an overdub you are happy with, press the **REC/PLAY/OVERDUB** footswitch to disable overdubbing and continue playback (this footswitch and the **PLAY** status LEDs will light solid green).

You can continue adding overdubs by continuing to press the **REC/PLAY/OVERDUB** footswitch. Each time an overdub is added, the last overdub is merged with the original loop and it can no longer be undone using the Undo functions (see page 32).

Once you are finished with overdubbing, press the **TEMPO/STOP** footswitch to stop playback/overdubbing.

NOTE: Changing loops discards any overdubs that have not been stored to memory. Storing overdubs will remove the ability to undo or clear overdubs.

Recording Overdubs



Undo, Redo, and Clear

You can undo or redo an overdub anytime you remain in the current memory where the overdub was recorded. You can also use a footswitch to clear all unstored loop phrase audio.

NOTE: Changing loops discards any unstored overdubs. Storing the overdubs will also remove the ability to undo or clear overdubs.

Undo an Overdub

Press and hold the **REC/PLAY/OVERDUB** footswitch for two seconds to undo your last overdub. The **REC/PLAY/OVERDUB** and **OVERDUB** status LEDs flash yellow and the display briefly shows $\text{u}d$ when the undo takes place.

Redo an Overdub

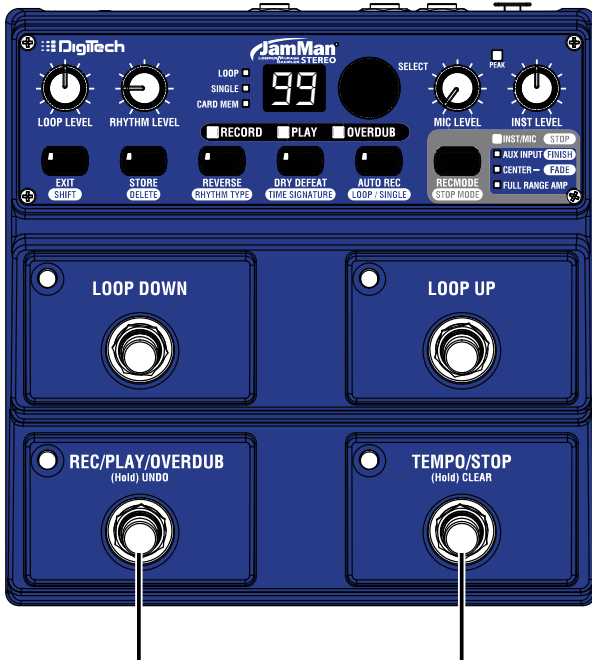
Press and hold the **REC/PLAY/OVERDUB** footswitch to redo the last undone overdub; the **REC/PLAY/OVERDUB** and **OVERDUB** status LEDs flash yellow and the display briefly shows $r d$ to indicate a redo has been performed.

Clear Overdubs/Unstored Phrases

Press and hold the **TEMPO/STOP** footswitch for two seconds to clear the unstored recording/overdubs. The **RECORD** status LED will flash and the display will show CL to confirm the clearing. If the loop had been previously stored, the clear action will only clear unstored phrases and overdubs but leave the original loop that had been stored untouched.

Changing to a different loop also clears any unstored phrases and overdubs.

Undo, Redo, and Clear



Press and hold to undo or redo an overdub.

Press and hold to clear overdubs and unstored phrases.

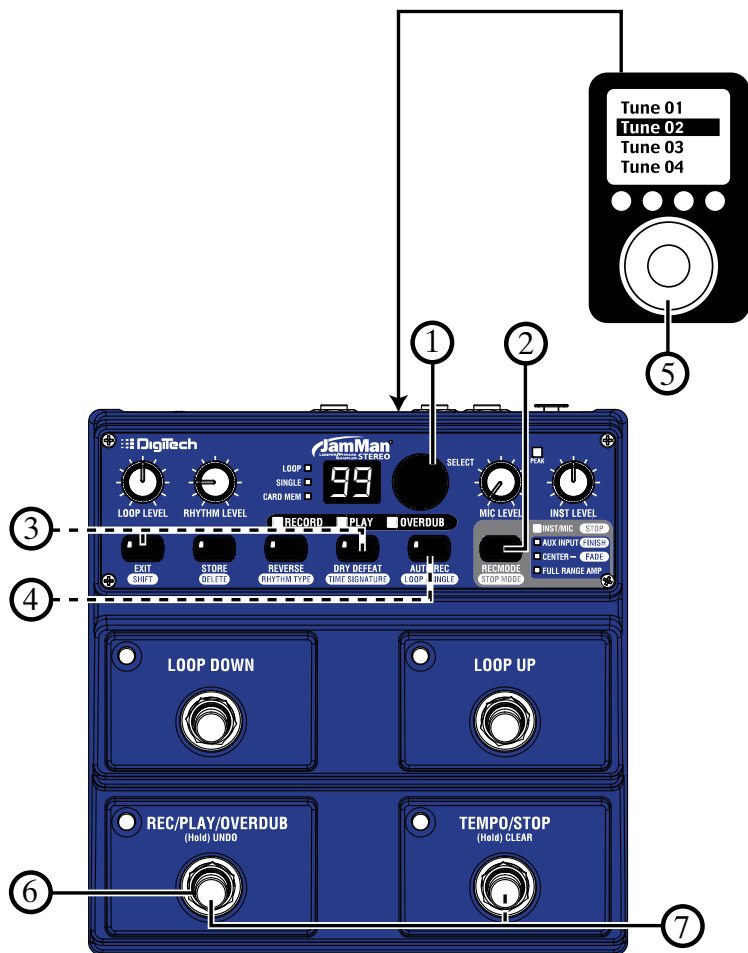
Recording a Loop - Aux Input

The JamMan® Stereo can record directly from an MP3 or CD player. This feature is useful for learning and practicing new songs as well as creating backing tracks. You should have an audio source connected to the AUX INPUT before proceeding.

1. Select an empty memory location using the **SELECT** knob or **LOOP UP/LOOP DOWN** footswitches (the **LOOP** and **SINGLE** LEDs will be off).
2. Press the **RECORD MODE** button and choose one of four **AUX INPUT** modes:
 - a. **AUX INPUT** only lit: The unit will record the program material just as it comes from the source.
 - b. **AUX INPUT** and **CENTER** - lit: Audio will be summed to mono and any material that is common to both stereo channels (usually lead vocals or instruments) will be removed from the recording. Any stereo processing of the center channel (reverb, for instance) might not be removed completely.
 - c. **AUX INPUT** and **FULL RANGE AMP** lit: The program material will be recorded in stereo with an equalization curve so that when it is played through a guitar amp it will more closely retain its original frequency response.
 - d. **AUX INPUT**, **CENTER** -, and **FULL RANGE AMP** lit: Audio will be summed to mono and remove center channel material and apply a compensating equalization as in the two previous modes.
3. (Optional) Set the Time Signature to something other than 4/4, if desired. (See page 40 for more information about Time Signatures.)
4. (Optional) Turn the **AUTO REC** button on if you want the JamMan Stereo to begin recording when the audio source begins playback
5. Play back the audio source and set its output level so that the **PEAK** LED lights green and yellow but doesn't light red.
6. Press the **REC/PLAY/OVERDUB** footswitch to start recording. This footswitch and the **RECORD** status LED will light solid red and recording will begin. If Auto Record is enabled, the **REC/PLAY/OVERDUB** and **RECORD** status LED will flash red after the footswitch is pressed indicating it is armed for recording. Recording will automatically begin once the audio source starts playing.
7. When you are finished, press either the **REC/PLAY/OVERDUB** footswitch to have the phrase play back in a repeating loop or press the **TEMPO/STOP** footswitch to stop recording.

Once you are finished recording, the **STORE** button will be lit indicating the phrase must be stored to memory to be recalled later (see the Storing/Copying Phrases section on page 38).

Recording a Loop - Aux Input



Stop Modes

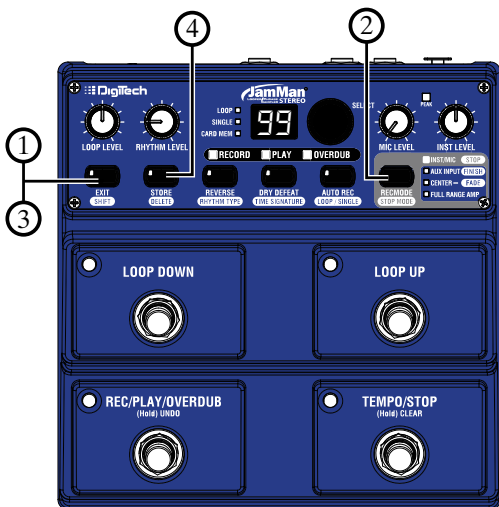
Loop Phrases can be stopped in three ways after the **TEMPO/STOP** footswitch is pressed:

- **STOP:** Stops the phrase immediately when Stop is pressed.
- **FINISH:** Finishes playing to the end of the phrase and stops after Stop is pressed.
- **FADE:** Fades the phrase volume to 0 and then stops after Stop is pressed.

To change Stop Modes, follow these steps:

1. Press the **SHIFT** button. It will now be lit.
2. Press the **STOP MODE** button to select the LED which is labeled with the Stop Mode you want to use.. The three Stop Modes are labeled to the right of the **RECORD MODE** LEDs.
3. Press the **EXIT** button.
4. Press the **STORE** button twice to store the changes, if desired.

NOTE: Stop modes must be stored with each phrase individually.



Using Auto-Quantize Looping

There are two ways you can record loops using the JamMan® Stereo, free-form looping or using the JamMan Stereo's Auto-Quantize feature.

Free-form looping (see page 24) is the standard way loopers have been used since their inception. You initiate recording, play, and then set the loop point when you reach the end of your passage. The loop point is set exactly when you press the pedal and the tempo for the loop is then calculated and displayed. Getting an accurately timed and seamless loop takes practice but offers the flexibility experienced loopers need.

Auto-Quantized looping makes getting accurately timed loop points easy. Begin by first setting the Tempo you want before recording the loop's first pass. This is done by using the **TEMPO/STOP** footswitch (see page 42). Once the tempo is established, initiate record, play in time with the set tempo, and then set the loop point at the end of a measure.

If your timing was a little early or late when setting the loop point, not to worry. The JamMan Stereo automatically adjusts the loop length exactly to the measure length set by the Tempo and Time Signature.

Storing/Copying Phrases

Anytime a change is made to a loop memory location (Rhythm Type, Tempo, Time Signature, Record, Overdubs etc.) the **STORE** button will immediately light. This indicates that the changes will be lost unless a store procedure is performed before selecting a new loop memory location, turning off the power.

Store Changes to a Loop

1. Stop any recording activity using the **TEMPO/STOP** footswitch.
2. Press the **STORE** button. The **STORE** button and the **DISPLAY** will begin to flash (the **DISPLAY** shows the current loop memory location).
3. (Optional) Turn the **SELECT** knob to select an empty loop memory location to store the loop with its changes (the **LOOP** or **SINGLE** LEDs are off), or press **EXIT** to abort.
4. Press the **STORE** button again. The changes are now saved and the **STORE** button turns off.

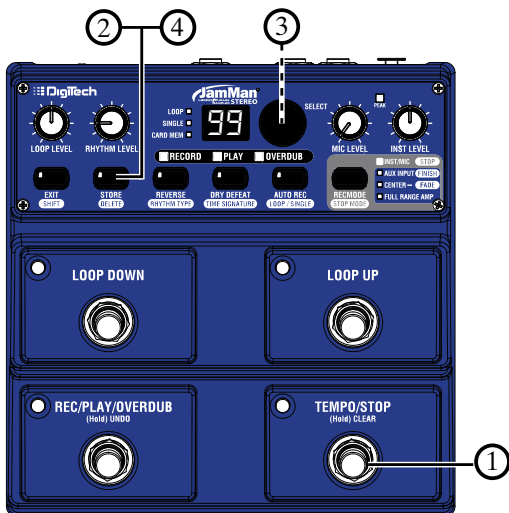
Copy a Loop to a Different Memory Location

1. Stop any playback or record activity using the **TEMPO/STOP** footswitch.
2. Turn the **SELECT** knob to select a memory location that contains a loop (either the **LOOP** or **SINGLE** LED is lit).
3. Press the **STORE** button. The **DISPLAY** and the **STORE** button will begin to flash.
4. Turn the **SELECT** knob until an empty memory location is selected (the **LOOP** and **SINGLE** LEDs are off), or press **EXIT** to abort.
5. Press the **STORE** button again. The loop is now copied to the new memory location.

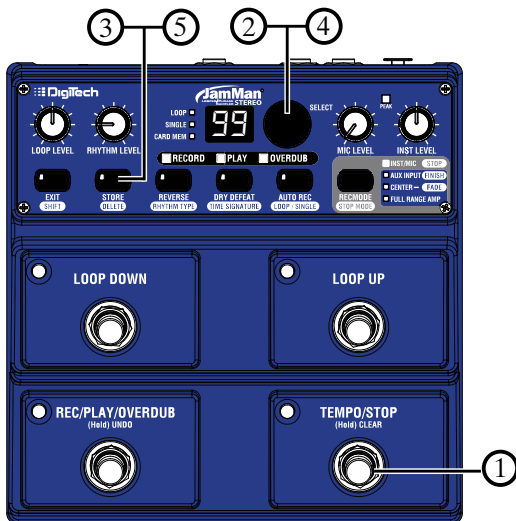
NOTE: The Clear and Overdub Undo/Redo functions cannot be performed to the loop after a Store/Copy procedure.

Storing/Copying Phrases

Store Changes to a Loop



Copy a Loop to a Different Memory Location



Time Signature

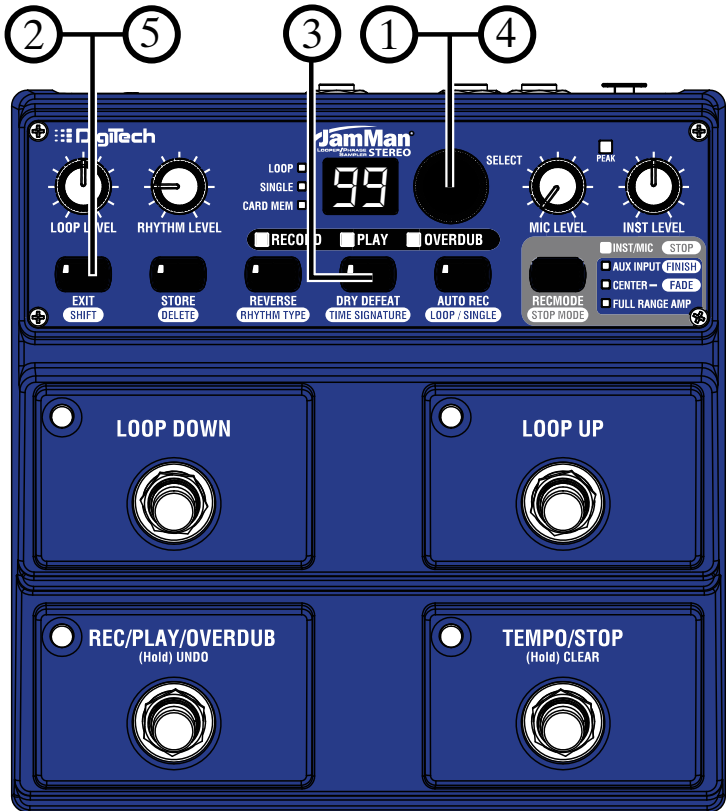
The JamMan® Stereo is capable of recording in different Time Signatures. A Time Signature must be set up prior to recording in a memory location. Once a phrase has been recorded, Time Signature cannot be changed. To set the Time Signature, follow these steps:

1. Use the **SELECT** knob or **LOOP UP/DOWN** footswitches to select a new memory location. (The **LOOP LED** and **SINGLE LED** will be off.)
2. Press the **SHIFT** button. It will now be lit.
3. Press the **TIME SIGNATURE** button. The **DISPLAY** will now show the number 4 indicating the default Time Signature of four beats per measure.
4. Use the **SELECT** knob to change the Time Signature. You can select from two to 15 beats per measure. This means if you want to record in 5/4 time, select 5. To record in 7/8 time, select 7, and so forth.
5. Press the **EXIT** button.

The **STORE** button will light when Time Signature is changed but you can immediately begin recording without having to store this change first. If a tempo has been set up the **TEMPO/STOP** footswitch LED will light red for the downbeat and then green for the rest of the beats of the measure.

When accessing the Time Signature setting of a loop (newly recorded or stored), the loop's Time Signature appears in the **DISPLAY**, but it cannot be changed.

Time Signature



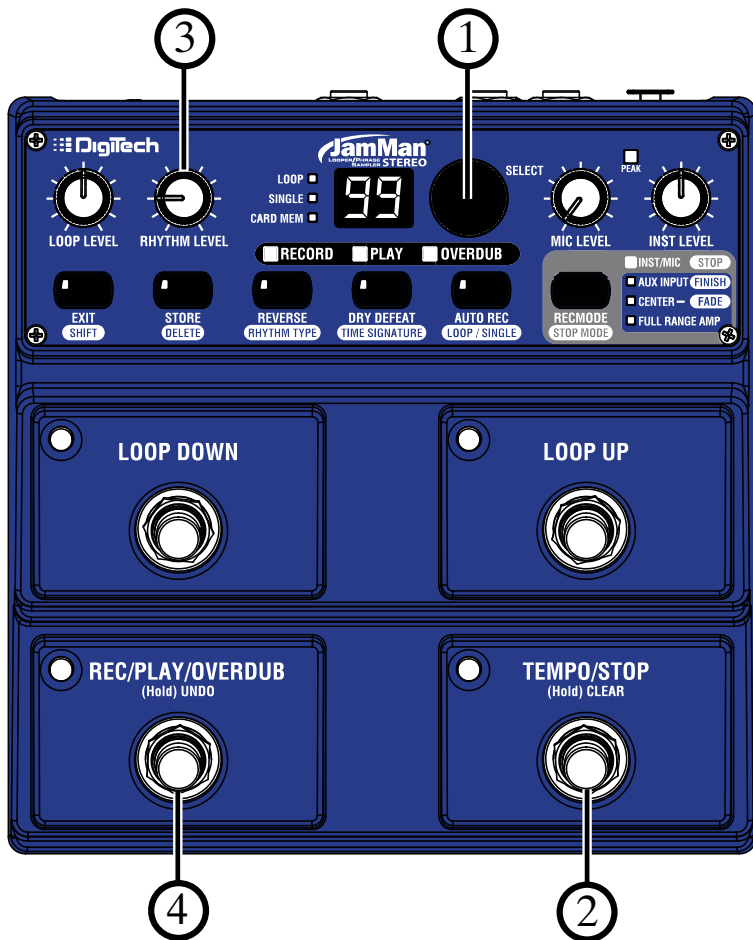
Setting a Loop Tempo for Recording

Before you begin recording a phrase, you may want to set a tempo at which you want to record the loop at. Setting the tempo in an empty loop memory location automatically starts playing the rhythm guide track (Rhythm Level must be turned up to hear the guide track). You can use the rhythm guide track as a metronome for recording against to help keep a consistent tempo of your performance. To set the tempo for recording, follow these steps:

1. Use the **SELECT** knob to select a new memory location. (The **LOOP LED** and **SINGLE LED** will be off.)
2. Tap the **TEMPO/STOP** footswitch at least 2 times (4 or more times is recommended). The **TEMPO/STOP** footswitch LED will begin flashing at the tempo that has been tapped in. The first downbeat of the measure flashes red and the other beats flash green.
3. Turn up the **RHYTHM LEVEL** knob (if it hasn't been already) to hear the rhythm guide track.
4. To begin recording, press the **REC/PLAY/OVERDUB** footswitch and begin playing.

If you want to set up a memory location with a tempo but not record to it, you can just follow steps 1 and 2, but you must then store the new tempo using the Store procedure. When you return to the empty loop location, the tempo will already be set as indicated by the **TEMPO/STOP** footswitch LED flashing.

Setting a Loop Tempo for Recording



Time Stretching a Loop

Once a loop phrase is recorded, you can change the playback tempo which speeds up or slows down the playback of the phrase without changing its pitch (Time Stretch). Time Stretching a loop is a very useful feature in case the band is playing slightly slower or faster than normal or you just want to change the pace of a backing track slightly. You can Time Stretch a loop while stopped or during playback. To Time Stretch a loop, follow these steps:

Time Stretch a Loop that is Stopped

1. Select a previously recorded Loop phrase (**LOOP** or **SINGLE LED** is lit) using the **LOOP UP/DOWN** footswitches or **LOOP SELECT** knob. The **TEMPO/STOP** footswitch LED will begin flashing at the phrase's stored tempo.
2. Tap the **TEMPO/STOP** footswitch two or more times. Tapping quicker than the stored tempo rate will speed up playback while tapping slower than the stored tempo rate will slow down playback.
3. To return to the original tempo, press and hold the **TEMPO/STOP** footswitch for two seconds and the phrase will return to the original stored tempo.

Time Stretch a Loop that is Playing

To time stretch a loop while it is playing requires an optional FS3X footswitch to be connected to the footswitch jack on the rear panel of the JamMan® Stereo.

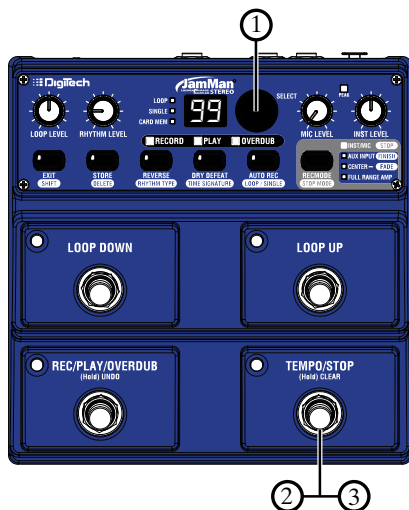
1. Begin from a stopped state.
2. Press the **REC/PLAY/OVERDUB** footswitch to begin playback.
3. Tap in a new tempo using the **UP** footswitch on the FS3X. You will hear the tempo changes in real time. To return to the original tempo, press and hold the **UP** footswitch for two seconds and the phrase will return to the original stored tempo.

Press the **STORE** button twice to store the changes if desired. You can play along with the adjusted playback speed and still be in tune since the pitch does not change based on playback speed.

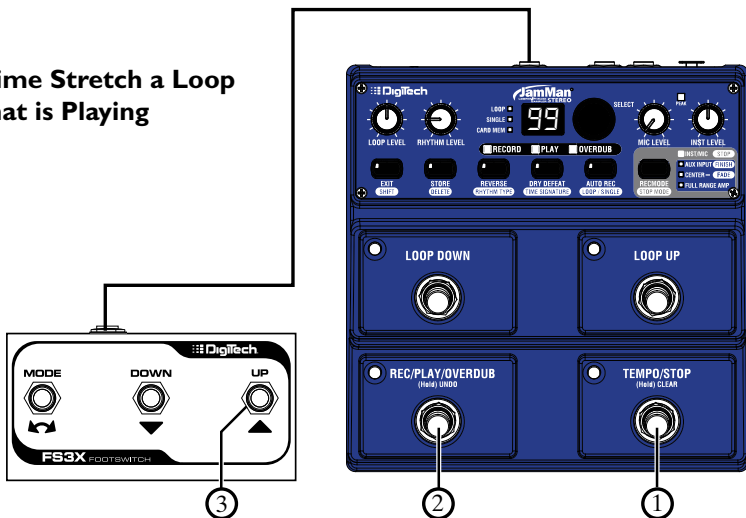
NOTE: Restoring the tempo by pressing and holding the **TEMPO/STOP** footswitch will also clear any newly recorded audio and overdubs.

Time Stretching a Loop

Time Stretch a Loop that is Stopped



Time Stretch a Loop that is Playing



Loop / Single Phrases

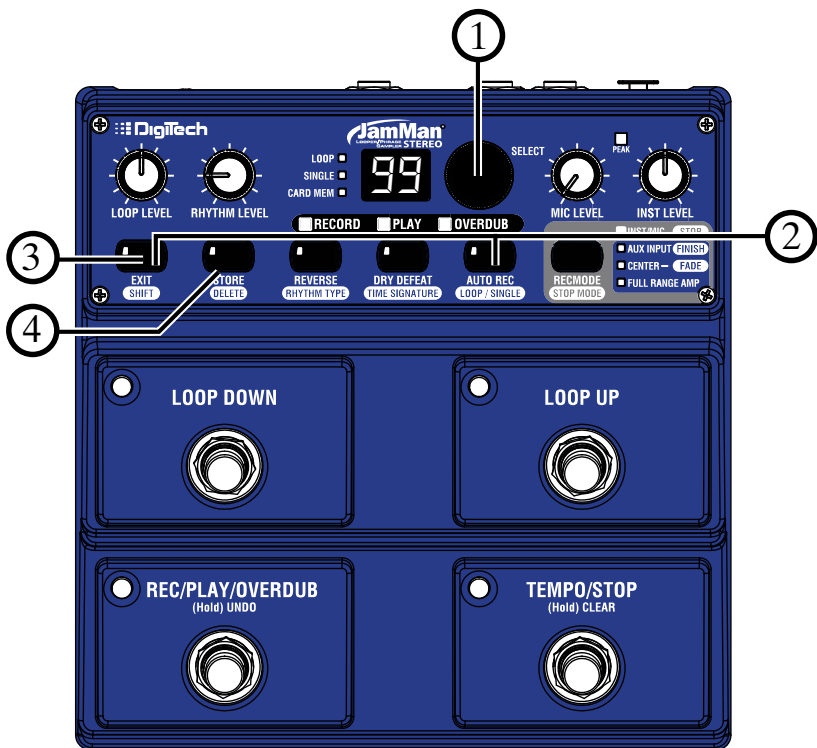
Any phrase recorded into the JamMan® Stereo can be played in two ways: Either as a continuous Loop, or as a Single “one-shot” sample.

Single phrases are designed to play the recorded phrase only once and stop. All phrases are recorded as loops by default but they can be changed to a Single phrase if desired. You can always change Single phrases back to Loops later without harming the phrase. To change between Single and Loop, follow these steps:

1. Select a previously recorded Loop phrase (**LOOP LED** is lit) using the **LOOP UP/LOOP DOWN** footswitches or **SELECT** knob. If the **CARD MEM LED** is lit, you have selected a memory location on the optional memory card.
2. Enable the **SHIFT** button and then press the **LOOP/SINGLE** button to select the **SINGLE LED** or the **LOOP LED** depending on how you want the phrase to play back.
3. Press **EXIT**.
4. The **STORE** button will light to indicate this change must be stored if it is to be recalled later. Press the **STORE** button twice to store the changes, if desired.

Single phrases cannot have overdubs added to them. Repeated presses of the **REC/PLAY/OVERDUB** footswitch will just restart the Single phrase playback from the beginning.

Loop / Single Phrases



Rhythm Type

The JamMan® Stereo's guide track has 9 rhythm types to select from. These range from a simple click metronome to various drum samples as the rhythm guide (a tempo must be defined and the **RHYTHM LEVEL** knob must be turned up to hear the guide track). To change the Rhythm Type, follow these steps:

1. Select a memory location using the **SELECT** knob.
2. If the memory location is empty (**LOOP** and **SINGLE** LEDs are off), set a tempo using the **TEMPO/STOP** footswitch. If the memory location contains a loop (**LOOP** or **SINGLE** LED is on), press the **REC/PLAY/OVERDUB** footswitch to start playback.
3. Turn up the **RHYTHM LEVEL** knob to hear the guide track.
4. Enable the **SHIFT** button and then the **RHYTHM TYPE** button. The **DISPLAY** will now show $r5$ indicating the default **RHYTHM TYPE**.
5. Use the **SELECT** knob to choose your desired rhythm sound (designated by $\square F$ (off), and $r1 - r9$ in the **DISPLAY**). Selecting $\square F$ turns the rhythm sound off even if the **RHYTHM LEVEL** knob is turned up.
6. Press **EXIT**.
7. The **STORE** button will light to indicate this change must be stored if it is to be recalled later. Press the **STORE** button twice to store the changes, if desired.

Rhythm Types are:

$\square F$ – Off

$r1$ – Wood Blocks

$r2$ – Sticks

$r3$ – Click

$r4$ – Alternative Kick / High Hat

$r5$ – Studio Kick / High Hat

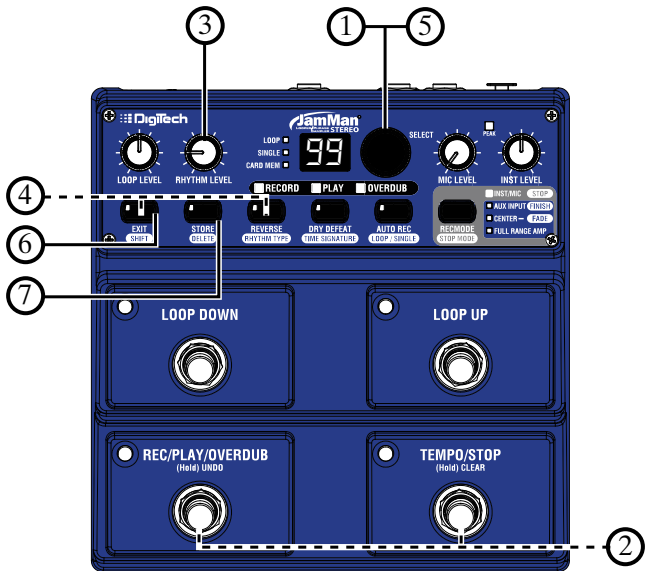
$r6$ – Techno Kick / High Hat

$r7$ – Cowbell

$r8$ – Conga

$r9$ – Tambourine

Rhythm Type



Rhythm Output

The Rhythm Output isolates the rhythm guide track from the left and right outputs and provides a mono mix of the JamMan® Stereo's looped audio. This is useful for someone like a drummer in the band who needs to follow a click track but also wants to hear the looped audio. It also prevents the rhythm guide track from being heard by the audience through an amp or PA system connected to the left and right outputs. The Rhythm Output does not pass any of the input signal. Only looped audio, overdubbed audio, and rhythm guide track will be heard here.

To isolate the rhythm guide track from the main left and right outputs, just connect a mono TS cable to this output. You can now feed this signal to a mixer or powered monitor for anyone who needs to use this feature.

Deleting Individual Loop Phrases

The JamMan® Stereo has 99 memory locations and at some time you may need to delete the contents of a memory location so it may be reused or to free up memory. To delete a loop from a memory location, follow these steps:

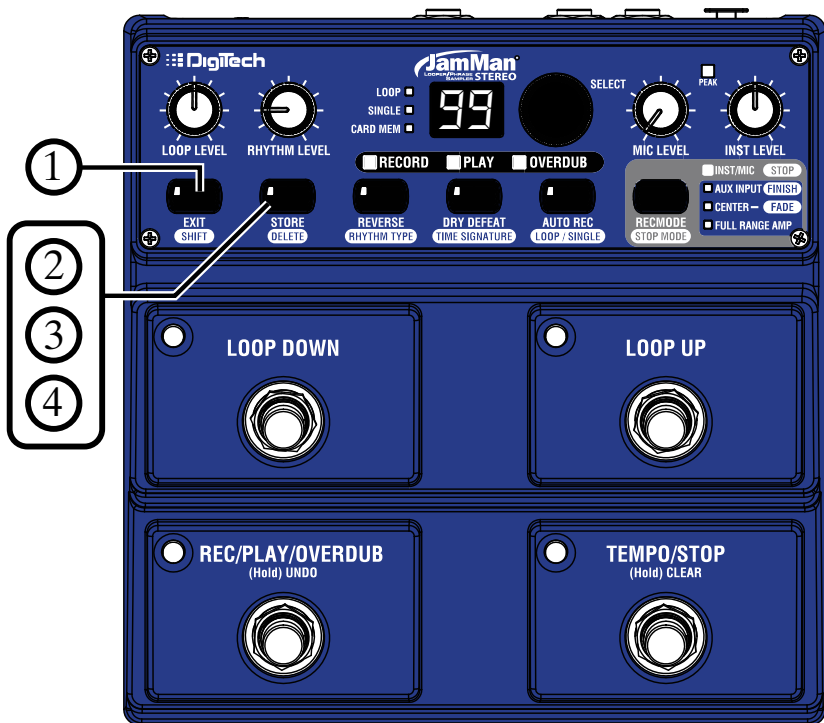
1. Press the **SHIFT** button. It will now be lit.
2. Press the **DELETE** button. The **DISPLAY** shows $E L$ (Erase Loop). The button will begin flashing waiting for a delete confirmation.

NOTE: If the **DISPLAY** shows $E 1$ or $E L$, you have held the **DELETE** button too long and need to abort this procedure and start over. Press the **EXIT** button at this point to abort the Delete procedure.

3. Press the **DELETE** button again. The **DISPLAY** reads $E ?$ (Erase Loop?). The button will continue to flash. To abort this procedure at any time, press the **EXIT** button at any time.
4. If you want to delete the contents from this memory location and return it to its default state, press and hold **DELETE** button for two seconds. The **DISPLAY** will briefly read $d E$. When the delete procedure is complete the display will return to the memory number and the **EXIT** and **DELETE** buttons will turn off.

Warning: Deleting a memory location is irreversible and will erase any recorded information that resides here. Use the Delete function with caution.

Deleting Individual Loop Phrases



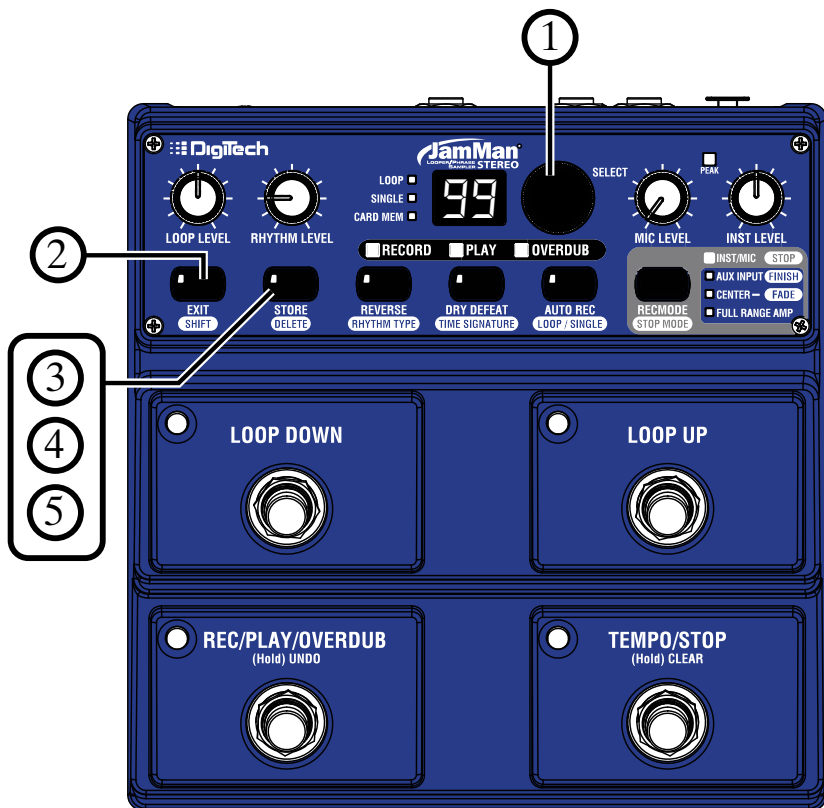
Erase All Loops - Internal Memory

The JamMan® Stereo uses both internal memory and optional card memory for the storage of loop files. You can erase all loops from internal memory or from card memory without having to delete them one at a time.

To erase all loops from internal memory, follow these steps:

1. Select a loop memory location that does not light the **CARD MEM** LED.
2. Enable the **SHIFT** button.
3. Press and hold the **DELETE** button for four seconds until $E \uparrow$ (Erase Internal Memory Loops) appears in the Display and release ($E \uparrow$ will show briefly first but keep holding the button until $E \downarrow$ appears). The **DELETE** button will begin flashing.
4. Press the **DELETE** button again. The **DISPLAY** reads $E ?$ (Erase Loops?). The **DELETE** button will continue to flash. To abort this procedure, press the **EXIT** button.
5. To erase all internal loop memories, press and hold the **DELETE** button for two more seconds. The **DISPLAY** will show $b \downarrow$ indicating the internal memory is being erased. When the delete procedure is complete the display will return to the memory number and the **EXIT** and **DELETE** buttons will turn off.

Erase All Loops - Internal Memory

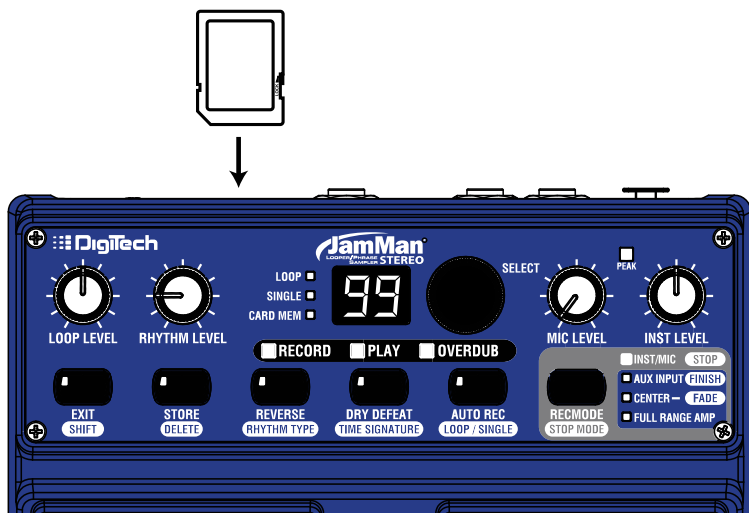


Using Optional SD/SDHC Memory Cards

The JamMan® Stereo offers 35 minutes of total built-in loop memory storage. You can increase the loop memory by installing an optional SD/SDHC memory card in the memory card slot on the rear panel. The JamMan Stereo is compatible with SD/SDHC card sizes up to 32GB for over 16 hours of total loop memory.

The first time a memory card is inserted into the JamMan Stereo, it is recommended that you format the card using the JamMan Stereo's format procedure (see page 55).

To install an optional SD/SDHC memory card into the JamMan Stereo, insert the card into the Memory Card slot on the back panel with the label face up and the angled part of the card pointing toward the chassis.



Using Optional SD/SDHC Memory Cards

Formatting SD Cards

A memory card that is inserted into the JamMan® Stereo for the first time should be formatted using the JamMan Stereo's format procedure. To format an SD/SDHC Card in the JamMan Stereo, follow these steps:

1. Enable the **SHIFT** button and then press and hold the **DELETE** button for four seconds. The **DISPLAY** will show $F \square$ (Format) and this button will begin flashing.
2. Press the **DELETE** button again. The **DISPLAY** will read $F ?$ (Format ?) and the **DELETE** button will continue to flash. To abort this procedure, press the **EXIT** button at any time.
3. To initiate the card formatting procedure, press and hold the **DELETE** button again for two seconds. The **DISPLAY** will show $b \square$ indicating the card is being formatted.

Unformatted Cards

If a memory card is inserted into the JamMan Stereo that does not have a valid format, the JamMan Stereo will not recognize it and the **DISPLAY** will read nF . The card must be formatted before the JamMan Stereo can use it. To format the card, follow these steps:

1. While the **DISPLAY** reads nF , the **STORE** button will begin flashing prompting for a format confirmation.
2. Press the flashing **STORE** button. The **DISPLAY** will read $F ?$ and the **STORE** button will continue to flash. You can press the **EXIT** button to abort the procedure.
3. To initiate the card formatting procedure, press and hold the **STORE** button for two seconds. The **DISPLAY** will show $b \square$ indicating the card is being formatted. Once completed, the **DISPLAY** will read l and the card is now ready for recording.

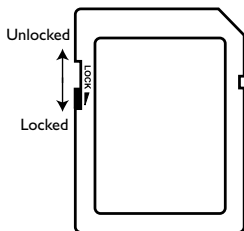
Erase All Loops - Memory Card

The following Erase Loops procedure only erases JamMan Stereo loop data from a memory card. All other data and files on the card are left untouched.

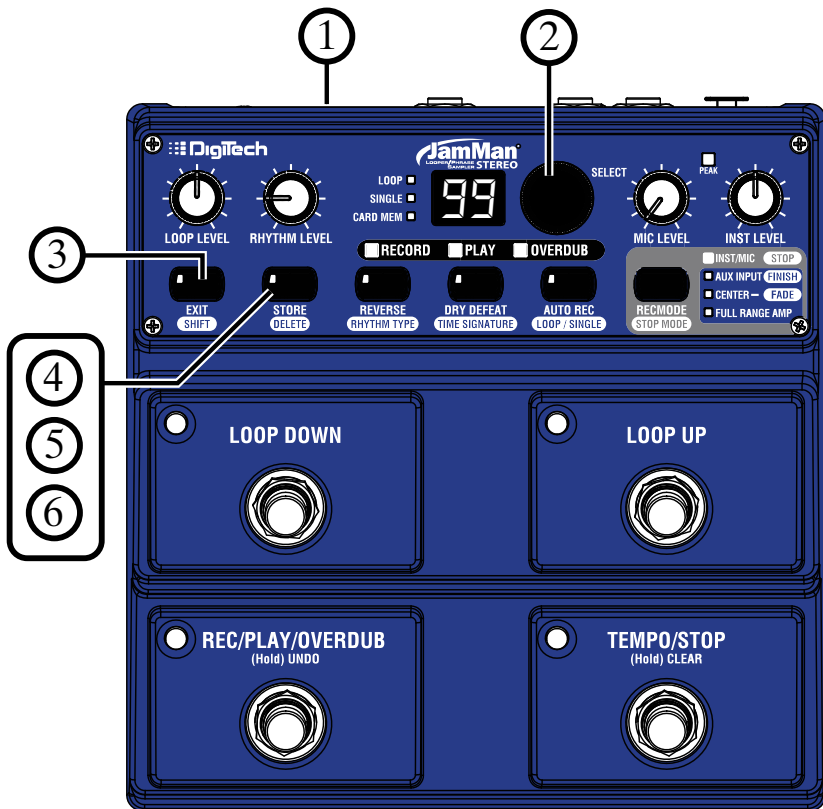
To erase all loops from an optional SD/SDHC memory card, follow these steps:

1. Install an optional SD/SDHC memory card in the JamMan Stereo's memory card slot on the rear panel.
2. Select a loop memory location that lights the **CARD MEM LED**.
3. Enable the **SHIFT** button.
4. Press and hold the **DELETE** button for four seconds until EE (Erase Memory Card Loops) appears in the **DISPLAY** and release (EL will show briefly first but keep holding the button until EE appears). The **DELETE** button will begin flashing.
5. Press the **DELETE** button again. The **DISPLAY** reads $E?$ (Erase Loops?). The **DELETE** button will continue to flash. To abort this procedure, press the **EXIT** button.
6. To erase all loop data, press and hold the **DELETE** button for two more seconds. The **DISPLAY** will show bu indicating the card is being erased. When the delete procedure is complete the display will return to the memory number and the **EXIT** and **DELETE** buttons will turn off.

NOTE: If when you try to delete a loop from SD card the display flashes CP , the SD copy protection switch is in the "Locked" position.



Erase All Loops - Memory Card



Factory Restore

This procedure will return the JamMan® Stereo to its original factory settings. All internal loop memories will be reformatted and the original 10 loops that shipped with the JamMan Stereo will be restored. Factory Restore does not affect any loops on the optional external SD memory card.

WARNING: The Factory Restore procedure will erase all loops from the JamMan Stereo internal memory and restore it to its factory state. This procedure is permanent and cannot be reversed. Use the Factory Restore procedure with caution. It is recommended you back up your internal loops to your computer with the JamManager™ software and USB connection.

1. Press and hold the **STORE** button while powering up the JamMan Stereo.
2. When the display shows F_r , release the **STORE** button which will now be flashing.
3. Press the **STORE** button again. This display will now show $r ?$ asking if you are sure you want to restore the internal memory to its factory state. To abort this procedure at this time, press the **EXIT** button.
4. To confirm the restore procedure, press and hold the **STORE** button until b_u appears in the Display. The JamMan Stereo will return to normal operation shortly as indicated by loop memory l being shown in the Display.

Optional FS3X Footswitch

The optional FS3X Footswitch gives you hands-free control over loop selection, tempo, and stop functions.

Mode Switch

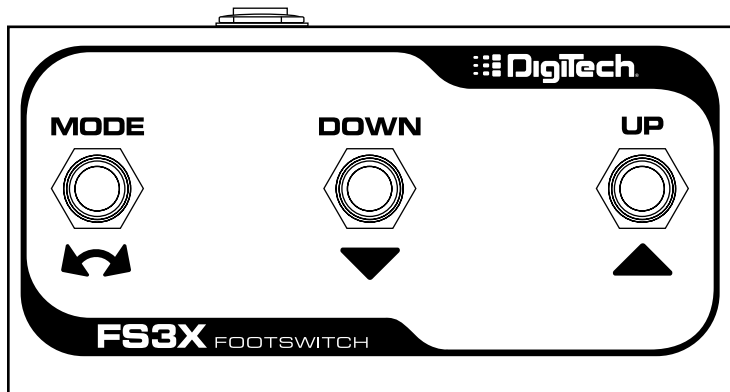
This footswitch is used for immediately undoing and redoing the last recorded overdub.

Down Switch

This footswitch is used to play the recorded phrase in reverse.

Up Switch

This footswitch can be used to set the tempo of a new loop or change the tempo (Time Stretch) of a stored loop. Playback Tempo can be changed even while the loop is playing using this footswitch.



JamManager™ Librarian Software

The JamManager™ loop librarian software is available as a free download from the DigiTech website. This application runs on both Windows XP/ Vista/7 and Mac OS X computer systems, and lets you archive and transfer loops between the JamMan® Stereo and your computer. For more information, visit www.digitech.com.

System Requirements

Windows® Vista (32/64-bit), 7 (32/64-bit), XP Home/Professional (32-bit)

Intel® or AMD® XP Processor
1 GB of memory (2GB recommended)
Microsoft® Silverlight™ 4.0 installed
Available USB port
Internet connection (for updates)

Mac® OS 10.5.8 or later

Intel® Core Processor
1 GB of memory (2GB recommended)
Microsoft® Silverlight™ 4.0 installed
Available USB port
Internet connection (for updates)

Specifications

Digital

A/D/A Conversion:	24-bit
Sampling Frequency:	44.1 kHz
Loop File Format:	44.1 kHz, 16-bit (stereo), uncompressed WAV file
USB:	2.0 High Speed (USB 1.1 compatible)
Connector Type:	4-pin Type B
Max. Individual Loop Time:	10 minutes
Internal Memory Capacity:	Over 35 minutes total loop time (up to 99 loops total)
External Memory Type:	SD/SDHC up to 32GB (optional)
External Memory Capacity:	Over 16 hours (10.6MB/minute) of recording time, when using 16GB or larger SDHC card (up to 99 loops total)

Inputs/Outputs

Microphone Input

Connector Type:	Female XLR Pin 2 Hot (no phantom power)
Input Impedance:	1 k Ω Balanced
Maximum Gain:	41 dB (150 Ω source)
EIN:	-125 dBu A-weighted (max gain, 150 Ω source)

Left(Mono)/Right Inputs

Connector Type:	1/4" Unbalanced (Tip-Sleeve)
Input Impedance:	500 k Ω Mono/1 M Ω Stereo
Unity Gain Input to Output:	Inst Level knob set to 12 o'clock position Max Input Level at Unity: 4 dBu DFS
Maximum Gain:	14.5 dB

Aux Input

Connector Type:	1/8" Stereo (Tip-Ring-Sleeve)
Input Impedance:	20 k Ω
Maximum Input Level:	1 dBu DFS

Footswitch Input

Connector Type:	1/4" Stereo (Tip-Ring-Sleeve), compatible with optional DigiTech® FS3X 3-button footswitch
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Specifications

Left(Mono)/Right/Rhythm Outputs

Connector Type:	1/4" Unbalanced (Tip-Sleeve)/Balanced (Tip-Ring-Sleeve)
Output Impedance:	100 Ω Unbalanced/ 200 Ω Balanced
Maximum Output Level:	10 dBu DFS
Playback Unity Gain:	Loop Level knob set to 12 o'clock position

Headphone Output:

Connector Type:	1/8" Stereo (Tip-Ring-Sleeve)
Output Power:	87.5 mW per channel at 50 Ω

Line Inputs to Outputs

Dynamic Range:	105 dB A-weighted (at unity gain)
Frequency Response:	+0/-3 dB 20-20 kHz
Voltage Rails	+/-14 V

General

Power:	< 9 Watts
Current Draw:	< 1 A
Dimensions:	6.84" (L) x 6.70" (W) x 2.89" (H) 173.6 mm (L) x 170.1 mm (W) x 73.4 mm (H)
Weight:	2.22 lbs, 1.01 kg

Adapter: ***IMPORTANT NOTE:** There are two different models of this product. If purchasing a replacement power supply, ensure that you properly match the power requirements screening on the back panel of the product with the corresponding adapter model listed below.

Power Requirements: 9VAC 1.3A*

Country (Voltage)	Adapter Model
Japan (100VAC, 50/60 Hz):	PS0913B-100*
US and Canada (120VAC, 60 Hz):	PS0913B-120*
Europe (230VAC, 50 Hz):	PS0913B-230*
UK (240VAC, 50 Hz):	PS0913B-240*
Australia (240VAC, 50 Hz):	PS0913B-240-AU*

Power Requirements: 9VDC 1.3A*

Country (Voltage)	Adapter Model
US, Canada, Europe, Japan (100-240VDC, 50/60 Hz):	PS0913DC-01*
Australia & UK (100-240VDC, 50/60 Hz):	PS0913DC-02*

Specifications

DigiTech® engineers are constantly working to improve the quality of our products. Specifications are therefore subject to change without notice.

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