

JamMan Vocal XT

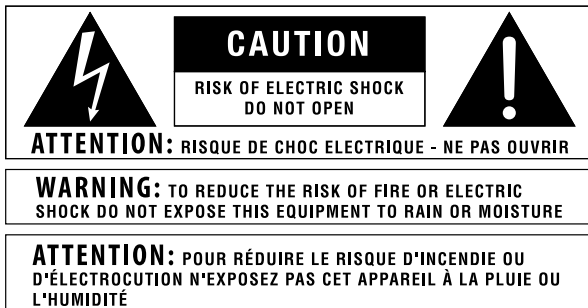
Vocal Looper

DiGiTech
by HARMAN



Owner's Manual

IMPORTANT SAFETY INSTRUCTIONS



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.

The following is indicative of low altitude use; do not use this product above 2000m.



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 households 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.

WARNING FOR YOUR PROTECTION READ THE FOLLOWING:

READ THESE INSTRUCTIONS.

KEEP THESE INSTRUCTIONS.

HEED ALL WARNINGS.

FOLLOW ALL INSTRUCTIONS.

DO NOT USE THIS APPARATUS NEAR WATER.

CLEAN ONLY WITH A DRY CLOTH.

FOR INDOOR USE ONLY.

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.

Use only with the cart stand, tripod bracket, or table specified by the manufacture, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



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.

POWER ON/OFF SWITCH: The Power switch used in this piece of equipment **DOES NOT** break the connection from the mains.

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.

If connected to 240V supply, a suitable CSA/UL certified power cord shall be used for this supply.

IMPORTANT SAFETY INSTRUCTIONS

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.

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.

DECLARATION OF CONFORMITY

Manufacturer's Name: DigiTech
Manufacturer's Address: 10653 South River Front Parkway, #300
South Jordan, Utah 84095, USA

declares that the product:

Product name: JamMan Vocal XT
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 2
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 2011/65/EC
WEEE Directive 2002/96/EC
EC Regulation 278/2009

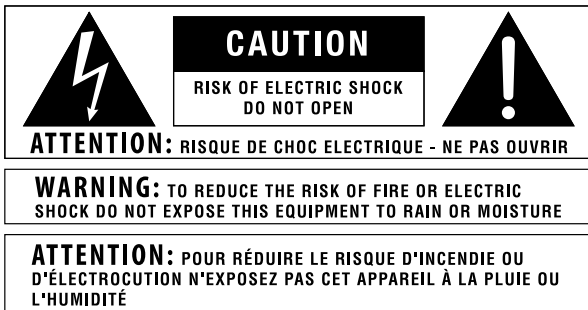
With regard to Directive 2005/32/EC and EC Regulation 1275/2008 of 17 December 2008, this product is designed, produced, and classified as Professional Audio Equipment and thus is exempt from this Directive.

Rex C. Reed
Director, Engineering
Signal Processing
10653 South River Front Parkway, #300
South Jordan, Utah 84095, USA
Date: June 3, 2014

European Contact: Your local DigiTech Sales and Service Office or

Harman Signal Processing
10653 South River Front Parkway, #300
South Jordan, Utah 84095, USA
Ph: (801) 566-8800
Fax: (801) 568-7583

CONSIGNES DE SÉCURITÉ IMPORTANTES



Les symboles illustrés ci-dessus sont des symboles acceptés internationalement qui avertissent des dangers potentiels relatifs à l'utilisation de produits électriques. Le voyant clignotant avec une flèche dans un triangle équilatéral signifie la présence de tensions dangereuses dans l'appareil. Le point d'exclamation dans un triangle équilatéral indique que l'utilisateur doit se référer au manuel d'utilisation.

Ces symboles indiquent qu'il n'y a aucune pièce utilisable par l'utilisateur à l'intérieur de l'appareil. Ne pas ouvrir l'appareil. Ne pas essayer de réparer soi-même l'appareil. Confier toute réparation à du personnel qualifié. Ouvrir la structure de l'appareil pour quelque raison que ce soit annulera la garantie du fabricant. Ne pas mouiller l'appareil. Si du liquide est renversé sur l'appareil, fermer immédiatement l'appareil et l'apporter chez un réparateur. Débrancher l'appareil pendant les tempêtes afin d'éviter des dommages.

Ce qui suit est représentatif d'une utilisation à basse altitude ; ne pas utiliser ce produit au-dessus de 2000 m.



AVERTISSEMENT CONCERNANT LA FICHE SECTEUR

Une fiche secteur moulée qui a été coupée du cordon est dangereuse. Jeter la fiche secteur dans un centre de déchets adapté.

VOUS NE DEVEZ EN AUCUNE CIRCONSTANCE INSÉRER UNE FICHE ENDOMMAGÉE OU COUPÉE DANS UNE PRISE SECTEUR 13 AMP.

Ne pas utiliser la fiche secteur si le couvercle du coffret à fusibles n'est pas bien en place. Vous pouvez vous procurer des capots de fusible de rechange auprès de votre détaillant local. Les fusibles de remplacement sont de 13 A et DOIVENT être approuvés ASTA, BS1362.



Ne pas jeter ce produit avec les ordures ménagères. Il existe un système de collecte sélective pour les produits électroniques usagés en conformité avec les lois en vigueur en matière de traitement, de récupération et de recyclage.

Dans les 25 États membres de l'UE, en Norvège et en Suisse, les ménages peuvent envoyer leurs produits électroniques usagés sans frais vers des centres de collecte sélective ou chez un distributeur (contre l'achat d'un nouveau produit).

Contactez les autorités locales pour connaître les procédures de traitement des déchets adaptées dans les pays non mentionnés ci-dessus.

Non seulement cette précaution vous permettra d'être sûr que votre produit est correctement traité, récupéré et recyclé, mais elle vous évitera également de nuire involontairement à l'environnement et à la santé humaine.

AVERTISSEMENT POUR VOTRE SÉCURITÉ LIRE ATTENTIVEMENT :

LIRE CES CONSIGNES.

CONSERVER CES CONSIGNES.

RESPECTER TOUS LES AVERTISSEMENTS.

SUIVRE TOUTES LES CONSIGNES.

NE PAS UTILISER CET APPAREIL PRÈS DE L'EAU.

NETTOYER UNIQUEMENT AVEC UN CHIFFON SEC.

POUR USAGE INTÉRIEUR UNIQUEMENT.

NE PAS OBSTRUER LES OUIËS D'AÉRATION. EFFECTUER L'INSTALLATION CONFORMÉMENT AUX INSTRUCTIONS DU FABRICANT.

NE PAS INSTALLER À PROXIMITÉ DE SOURCES DE CHALEUR TELLES QUE DES RADIATEURS, BOUCHES D'AÉRATION, PLAQUES CHAUFFANTES OU TOUT AUTRE APPAREIL (Y COMPRIS DES AMPLIFICATEURS) DÉGAGEANT DE LA CHALEUR.

UTILISER UNIQUEMENT LES PIÈCES/ACCESSOIRES MENTIONNÉS PAR LE FABRICANT.

DÉBRANCHER L'APPAREIL AU COURS DES ORAGES OU EN CAS DE NON-UTILISATION PENDANT UNE DURÉE PROLONGÉE.

Ne pas détériorer la sécurité de la fiche polarisée ou de la fiche de terre. Les fiches polarisées sont équipées de deux bornes de largeurs différentes. Les fiches de terre comportent deux lames et une troisième broche de mise à la terre. La broche la plus large ou troisième broche de mise à la terre est prévue pour votre sécurité. Si la fiche fournie ne correspond pas à votre installation électrique, faire appel à un électricien pour remplacer la prise hors normes.

Protéger le cordon d'alimentation contre les risques de piétinement ou de pincement, notamment au niveau des fiches, des prises de courant et du point d'attache avec le matériel.

Utiliser uniquement le chariot, le support, le trépied ou la table spécifié(e) par le fabricant ou vendu(e) avec le matériel. Si vous utilisez un chariot pour déplacer l'appareil, soyez suffisamment prudent pour éviter une éventuelle blessure consécutive au basculement du chariot et de sa charge.



Les réparations doivent être confiées à un technicien S.A.V. qualifié. Une réparation est nécessaire en cas de dommage quelconque et en particulier en cas d'endommagement du cordon d'alimentation ou de la fiche électrique, d'infiltration liquide, d'introduction involontaire d'un objet dans l'appareil, d'exposition de l'appareil à la pluie ou à un milieu humide, de fonctionnement anormal ou de chute de l'appareil.

INTERRUPTEUR MARCHÉ/ARRÊT : l'interrupteur d'alimentation de cet équipement NE coupe PAS la connexion secteur.

DÉBRANCHEMENT DE L'APPAREIL : la prise de courant doit rester facilement accessible. Pour un montage en rack ou une installation avec une prise inaccessible, un interrupteur omnipolaire à distance d'ouverture de contact d'au moins 3 mm doit être intégré à l'installation électrique du rack ou du local.

Si le matériel est relié à une alimentation de 240 V, utiliser impérativement un cordon d'alimentation adapté certifié CSA/UL pour ce branchement.

CONSIGNES DE SÉCURITÉ IMPORTANTES

COMPATIBILITÉ ÉLECTROMAGNÉTIQUE

Cet appareil est conforme au volet 15 des règles du FCC et aux spécifications techniques évoquées dans la **Déclaration de conformité**. Son fonctionnement est soumis aux deux conditions suivantes :

- cet appareil ne doit pas causer d'interférences nuisibles et
- cet appareil doit accepter les interférences captées, y compris les interférences susceptibles de nuire à son fonctionnement.

L'utilisation de cet appareil à proximité de champs électromagnétiques puissants n'est pas recommandée.

- utiliser exclusivement des câbles d'interconnexion blindés.

CONSIGNES DE SÉCURITÉ

NOTICE ADRESSÉE AUX CONSOMMATEURS ÉQUIPÉS D'UN MATÉRIEL AVEC CORDON D'ALIMENTATION FOURNI.

AVERTISSEMENT : CET APPAREIL DOIT ÊTRE BRANCHÉ SUR UNE PRISE SECTEUR DOTÉE D'UNE PROTECTION PAR MISE À LA TERRE.

LES COULEURS DES NOYAUX DANS LES FILS SECTEURS DOIVENT RESPECTER LES CODES SUIVANTS :

VERT ET JAUNE - TERRE BLEU - NEUTRE MARRON - PHASE

LES COULEURS DES NOYAUX DANS LES FILS SECTEURS DE CET APPAREIL PEUVENT NE PAS CORRESPONdre AUX INSCRIPTIONS COLORÉES IDENTIFIANT LES TERMINAUX DANS VOTRE FICHE ; IL FAUT DONC PROCÉDER DE LA FAÇON SUIVANTE :

- LE NOYAU VERT ET JAUNE DOIT ÊTRE BRANCHÉ AU TERMINAL DE LA FICHE OÙ APPARAÎT LA LETTRE E OU LE SYMBOLE DE MISE À LA TERRE, OU AU TERMINAL VERT OU VERT ET JAUNE.
- LE NOYAU BLEU DOIT ÊTRE BRANCHÉ AU TERMINAL MARQUÉ D'UN N OU DE COULEUR NOIRE.
- LE NOYAU MARRON DOIT ÊTRE BRANCHÉ AU TERMINAL MARQUÉ D'UN L OU DE COULEUR ROUGE.

CE MATÉRIEL PEUT NéCESSITER L'UTILISATION D'UN CORDON D'ALIMENTATION DIFFÉRENT ET/OU D'UNE FICHE DE BRANCHEMENT DIFFÉRENTE SELON LA SOURCE D'ALIMENTATION DISPONIBLE À L'INSTALLATION. SI LA FICHE DE BRANCHEMENT DOIT ÊTRE CHANGÉE, FAIRE APPEL À UN TECHNICIEN QUALIFIÉ QUI DEVRA SE RÉFÉRER AU TABLEAU CI-DESSOUS. LE FIL VERT/JAUNE DOIT ÊTRE BRANCHÉ DIRECTEMENT AU CHÂSSIS DE L'APPAREIL.

CONNECTEURS		COULEUR DU FIL	
		normal	Alt
L	PHASE	MARRON	NOIR
N	NEUTRE	BLEU	BLANC
E	TERRE	VERT/JAU	VERT

ATTENTION : UN DÉFAUT DE MISE À LA TERRE PEUT PROVOQUER CERTAINS DYSFONCTIONNEMENTS DE L'APPAREIL OU DU SYSTÈME AUQUEL IL EST RELIÉ, POUVANT SE TRADUIRE PAR UNE TENSION COMPOSÉE ENTRE LA MASSE ET LA PRISE DE TERRE. CELA PEUT PROVOQUER DES BLESSURES SÉRIEUSES OU FATALES SI LA MASSE ET LA PRISE DE TERRE SONT TOUCHÉES EN MÊME TEMPS.

DÉCLARATION DE CONFORMITÉ

Nom du fabricant : DigiTech
Adresse du fabricant : 10653 South River Front Parkway, Suite 300 South Jordan, Utah 84095, ÉTATS-UNIS

déclare que le produit :

Nom du produit : JamMan Vocal XT

Option du produit : tous (nécessite un adaptateur secteur de Classe II conforme aux normes EN60065, EN60742 ou équivalent).

est conforme aux spécifications suivantes :

Sécurité : CEI/IEC 60065:2001 + Amd 2

CEM : EN 55022:2006
EN 55024:1998
Partie 15 des FCC

Informations complémentaires :

Ce produit est conforme aux exigences suivantes :

Directive sur la basse tension 2006/95/CE

Directive 2004/108/CE.

Directive RoHS 2011/65/UE

Directive DEEE 2002/96/CE

Règlement CE 278/2009

Ce produit appartenant à la catégorie Matériel audio professionnel, il n'est pas concerné par la directive 2005/32/CE ou par le règlement européen 1275/2008 du 17 décembre 2008.

Rex C. Reed
Directeur, Ingénierie
Traitement des signaux
10653 South River Front Parkway Suite 300
South Jordan, Utah 84095, ÉTATS-UNIS
Date : 3 juin 2014

Contact en Europe : votre revendeur DigiTech local et le bureau d'assistance de :

Harman Signal Processing
10653 South River Front Parkway Suite 300
South Jordan, Utah 84095, ÉTATS-UNIS
Tél. : (801) 566-8800
Fax : (801) 568-7583

Warranty

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

1. Please register online at digitech.com within ten days of purchase to validate this warranty. This warranty is valid only in the United States.
2. DigiTech warrants this product, when purchased new from an authorized U.S. DigiTech dealer and used solely within the U.S., to be free from defects in materials and workmanship under normal use and service. This warranty is valid to the original purchaser only and is non-transferable.
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 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 responsibility of the consumer. A copy of the original purchase receipt must be provided for any warranty service.
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 since this version of the manual was completed. The information contained in this version of the owner's manual supersedes all previous versions.

Service Contact Info

If you require technical support, contact DigiTech Technical Support. Be prepared to accurately describe the problem. Know the serial number of your device - this is printed on a sticker attached to the chassis. If you have not already taken the time to register your product, please do so now at digitech.com.

Before you return a product to the factory for service, we recommend you refer to the manual. Make sure you have correctly followed installation steps and operation procedures. For further technical assistance or service, please visit our support page at digitech.com/en-US/support. If you need to return a product to the factory for service, you **MUST** first contact Technical Support to obtain a Return Authorization Number.

No returned products will be accepted at the factory without a Return Authorization Number.

Please refer to the Warranty information, which extends to the first end-user. After expiration of the warranty, a reasonable charge will be made for parts, labor, and packing if you choose to use the factory service facility. In all cases, you are responsible for transportation charges to the factory. DigiTech will pay return shipping if the unit is still under warranty.

Use the original packing material if it is available. Mark the package with the name of the shipper and with these words in red: DELICATE INSTRUMENT, FRAGILE! Insure the package properly. Ship prepaid, not collect. Do not ship parcel post.

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Overview

Introduction

The JamMan® Vocal XT is an easy-to-use vocal looper that is capable of recording phrases of up to 10 minutes in length, and with unlimited overdubs, you can now be your own backup vocalist! Use it to create your own vocal harmonies or rhythmic counterpoints in real time.

The JamMan Vocal XT features a studio quality dbx® mic preamp with phantom power, allowing it be used with both dynamic and professional condenser microphones. This circuitry ensures your vocal signal is consistent and clear during regular performance and when looping.

The Mic Level control doubles as a multi-color input signal and clip indicator, making it easy to set the input level for your microphone. The Loop Level control provides a way to balance loop level with the direct vocal signal. The balanced XLR output can be plugged in to the line-level or mic-level input of a mixer, providing utmost flexibility.

Using the built-in JamSync™ feature, multiple JamMan Vocal XTs (or any other JamSync compatible loopers) can be synchronized to provide multi-track looping capabilities! It is possible to cascade two or more JamMan Vocal XTs for multi-track vocal looping, or sync with your bandmates' JamSync compatible JamMan devices for synchronized looping with other members in the band!

We hope you enjoy the endless fun and simplicity that the JamMan Vocal XT provides. Thanks for choosing DigiTech®.

Features

- XLR Input/Output
- Studio-Quality dbx® Mic Preamp w/+48V Phantom Power & Gain Control
- 10 Minutes of Loop Recording Time
- Record Unlimited Overdubs w/Undo & Redo
- JamSync™ Input/Output
- Silent Clear™ Prevents Playback When Clearing Loops
- Simple User Interface w/3 Status LEDs, Loop Level Control, & Footswitch
- Included Power Supply

The User Interface & Connectors

The User Interface

1. LOOP LEVEL Knob

This knob controls the output level of the loop. The 12 o' clock position represents unity gain.

2. MIC LEVEL Control

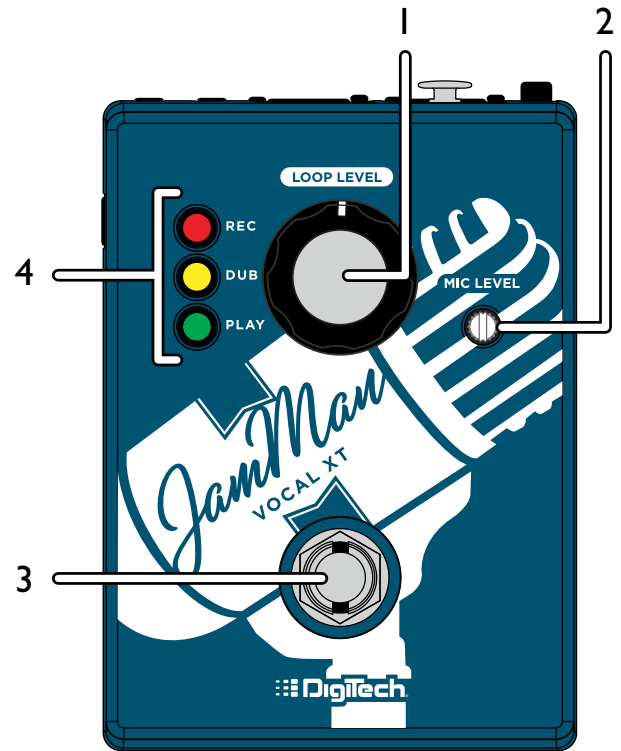
Adjust this control to set the input gain for your microphone. This control also doubles as a multi-color signal and clip indicator. It will light green when signal is present, orange when approaching the clip point and red when clipping occurs. For optimal signal to noise performance, set this control so it lights green and orange regularly during normal performance and only lights red rarely on the loudest vocal signals.








3. Footswitch






This Footswitch is used to perform all JamMan Vocal XT functions (i.e., record, play, overdub, undo/redo, stop, and clear loop).

4. Status LEDs

These LEDs indicate the status of the pedal as described in the below table.



LED	Status
 REC	Loop is being recorded.
 PLAY	Loop is playing.
 DUB	Overdub is being recorded.
 DUB	Overdub is being undone/redone.
 REC  DUB  PLAY	Pedal is in standby (recording/playback stopped).

LED	Status
 REC	Loop is being cleared (footswitch held).
 REC	Slave armed for record (connected as slave via JamSync).
 REC  DUB  PLAY	Slave synchronization established via JamSync.

Connectors

1. +48V Switch

Engage this switch to enable 48V phantom power for use with condenser microphones. Phantom power is on when the switch is in the 'in' position and off when the switch is in the 'out' position.

2. MIC IN Jack

Connect your mic to this XLR jack. If a condenser mic is being used, the +48V switch should be enabled (in position).

3. MIC OUT Jack

Connect this balanced XLR output to the line or mic input of a mixer, or to the MIC IN jack of another JamMan Vocal XT device for multi-track vocal looping.

4. JAMSYNC OUT Jack

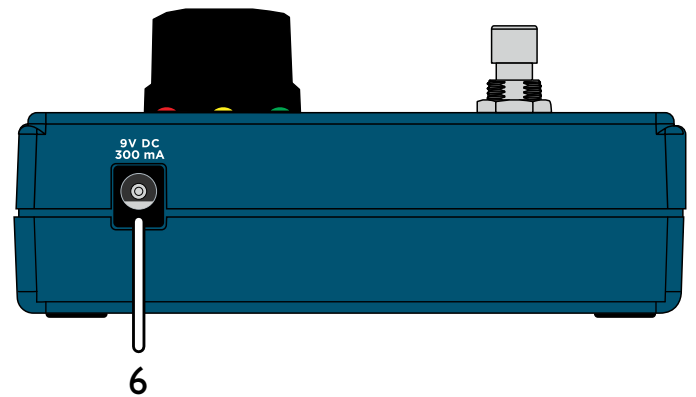
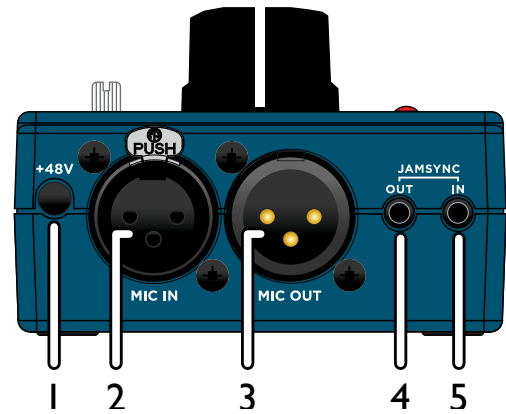
Connect this jack to the JAMSYNC IN jack on another JamSync compatible device for master control over loop playback and stop functions.

5. JAMSYNC IN Jack

Connect this jack to the JAMSYNC OUT jack on another JamSync compatible device to slave loop playback and stop functions to a master device.

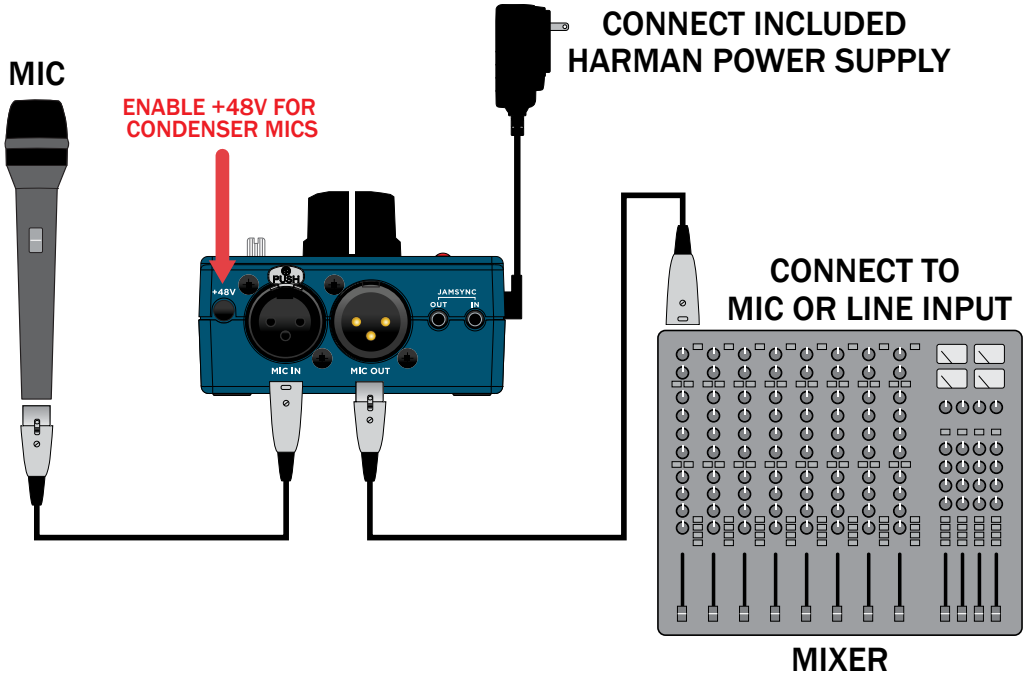
6. Power Jack

Connect only the included power supply to this jack. The JamMan Vocal XT can only be powered by using the external adapter.

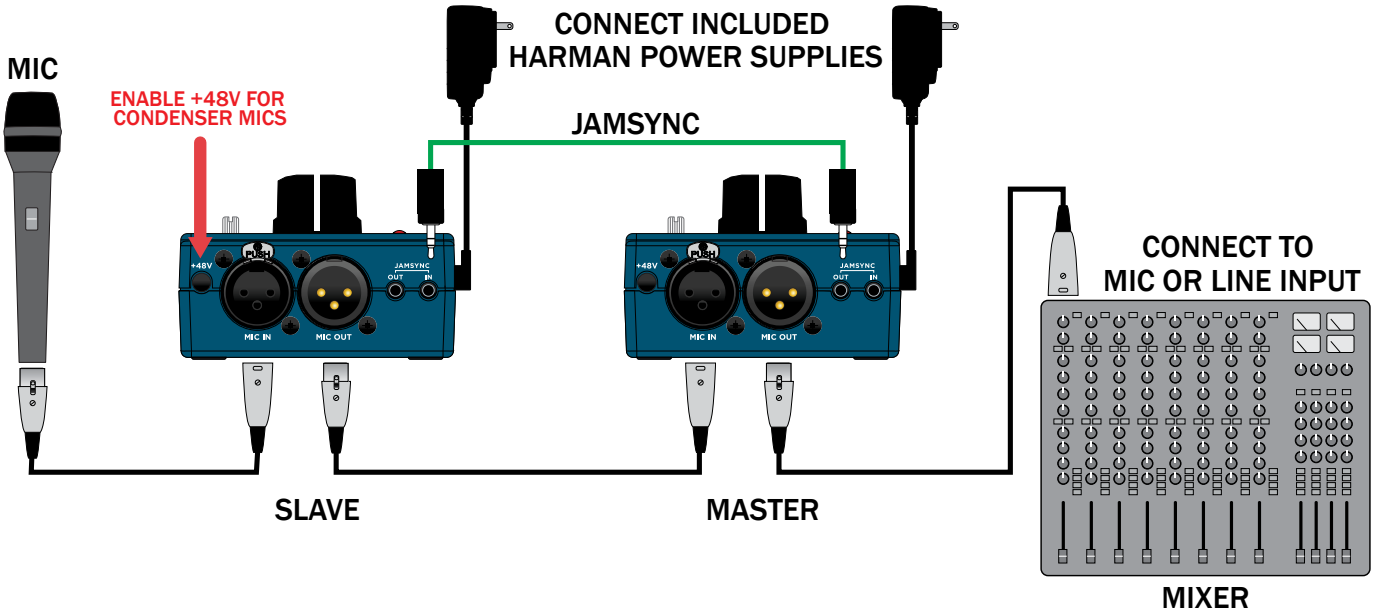


Connection Diagrams

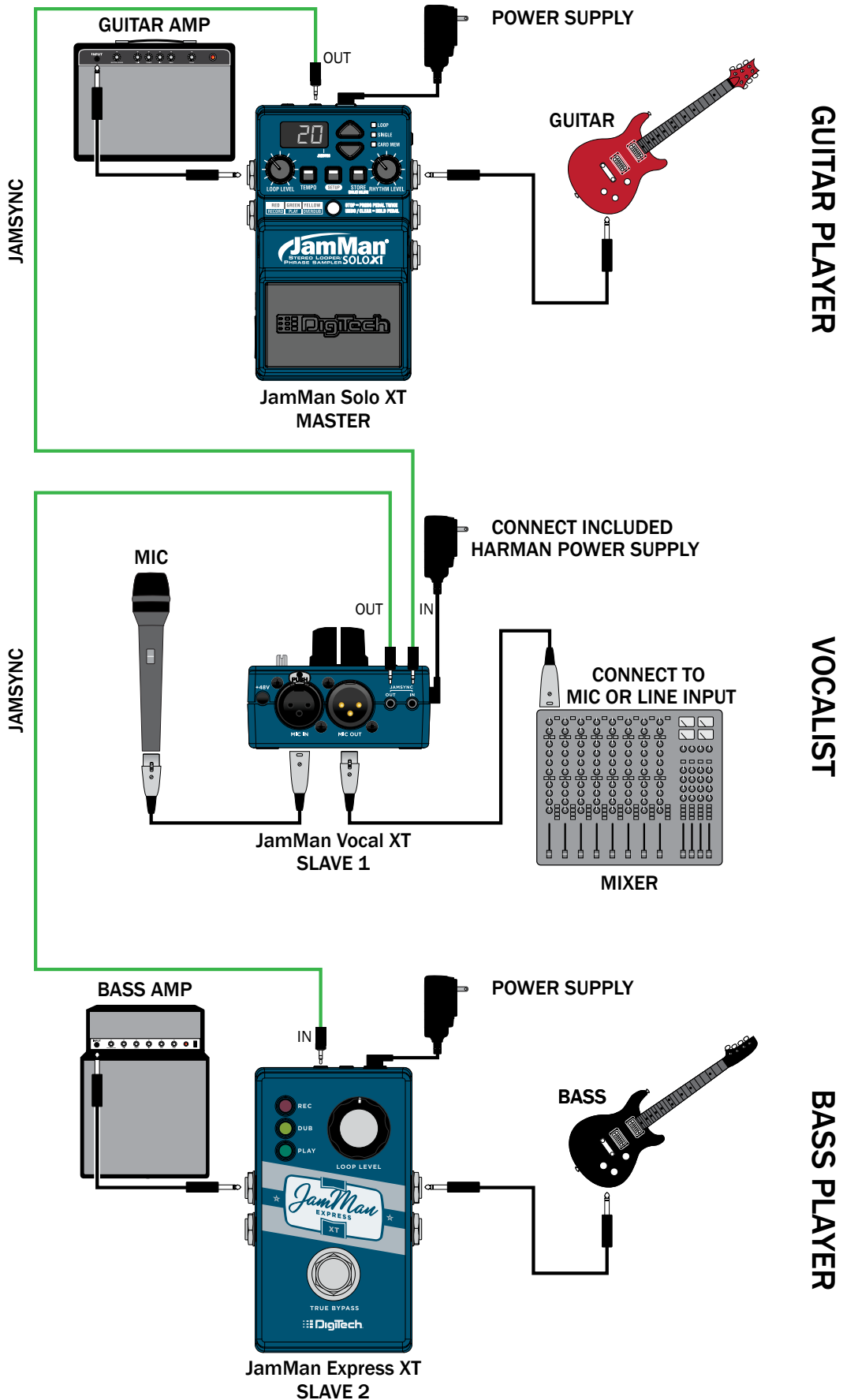
Standard Looping



Multi-Track Vocal Looping Using JamSync



Multi-Musician/Multi-Track Looping Using JamSync



Operation

The JamMan Vocal XT was designed to be very simple to use right out of the box. This section of the manual describes how to perform looping functions.

Recording a Phrase

The JamMan Vocal XT records a single phrase and then plays it back as a continuous loop.

To record a phrase:

1. Press the **FOOTSWITCH** and begin singing to start recording. The **REC LED** will light solid red and recording will begin.
2. When finished recording, press the **FOOTSWITCH** once to set the loop end point. The phrase will automatically begin playing back in a repeating loop and the **PLAY LED** will light solid green.
3. Press the **FOOTSWITCH** 2 times quickly to stop loop playback.

Recording Overdubs

Once a phrase has been recorded, overdubs can be added on top of the phrase.

To record overdubs:

1. Press the **FOOTSWITCH** to start loop playback. The **PLAY LED** will light solid green and the phrase will begin playing.
2. Press the **FOOTSWITCH** again to begin overdub recording. The **DUB LED** will light solid yellow and audio will be recorded on top of the phrase.
3. When done overdub recording, press the **FOOTSWITCH** to end the overdub recording session. The loop will continue playing along with the newly recorded overdub.
4. You can now decide whether you would like to undo the last overdub and re-record it (see "*Undoing/Redoing Overdubs*" in the following section) or proceed and record additional overdubs by repeating steps 2-3.
5. Press the **FOOTSWITCH** 2 times quickly to stop loop playback.

Undoing/Redoing Overdubs

When recording overdubs, you can choose to undo the last overdub recorded if you wish to re-record it. If you change your mind or accidentally undo an overdub, you can then use the redo function to retrieve it.

To undo/redo an overdub:

1. Record an overdub as described in the previous section, "Recording Overdubs".
2. Ensure the loop is playing (the **PLAY LED** should be on). If the loop is not playing, press the **FOOTSWITCH** to initiate loop playback. Once the loop is playing, press and hold the **FOOTSWITCH** for ~2 seconds. The **DUB LED** will quickly flash yellow, indicating the overdub has been undone.
3. If you wish to restore the overdub, press and hold the **FOOTSWITCH** again for ~2 seconds. The **DUB LED** will quickly flash yellow, indicating the redo function has been performed and you should now hear the overdub again.

NOTE: Each time an overdub is added, the last overdub is merged with the original loop and can no longer be undone using the undo function. If the combined loop and overdub length exceed 10 minutes (e.g., a 6 minute loop and 6 minute overdub, etc.), the two will automatically be merged and the overdub cannot be undone. Overdubs added to a recorded loop of 5 minutes or less will not be automatically merged.

Clearing a Phrase

Clearing a phrase allows you to re-record it or record a new phrase. The JamMan Vocal XT has a unique feature, referred to as "Silent Clear™", which clears a phrase without requiring you to play it first. Note that you cannot undo the process of clearing a phrase, so make sure you want to proceed before performing this function.

To clear a recorded phrase:

1. Stop loop playback if it is not already (all LEDs should be off). If loop playback is active (the **PLAY LED** is on), press the **FOOTSWITCH** 2 times to stop loop playback.
2. Press and hold the **FOOTSWITCH** for ~3 seconds. The **REC LED** will quickly flash red, indicating the phrase has been cleared.

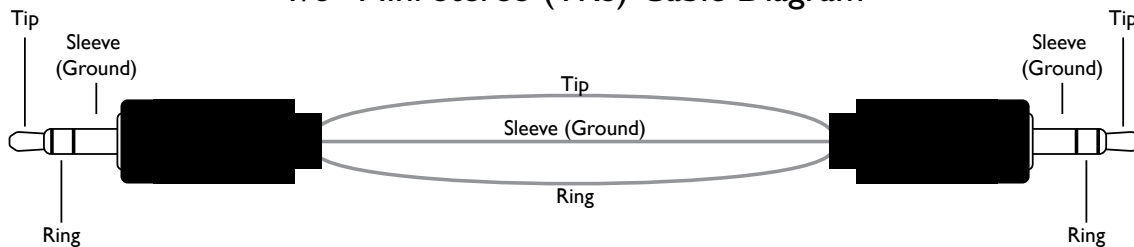
NOTE: When using a slave/master looper setup, if the master loop is ~3 seconds or less and if pressing and holding the **FOOTSWITCH** from a stopped state does not initiate clear on the slave device, you may need to initiate play then stop (3 **FOOTSWITCH** presses) and hold the footswitch on the 3rd press to clear its loop.

Using JamSync™

Connection & Record Sequence

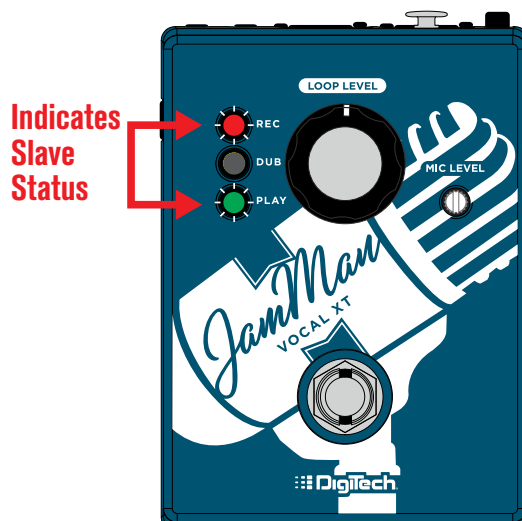
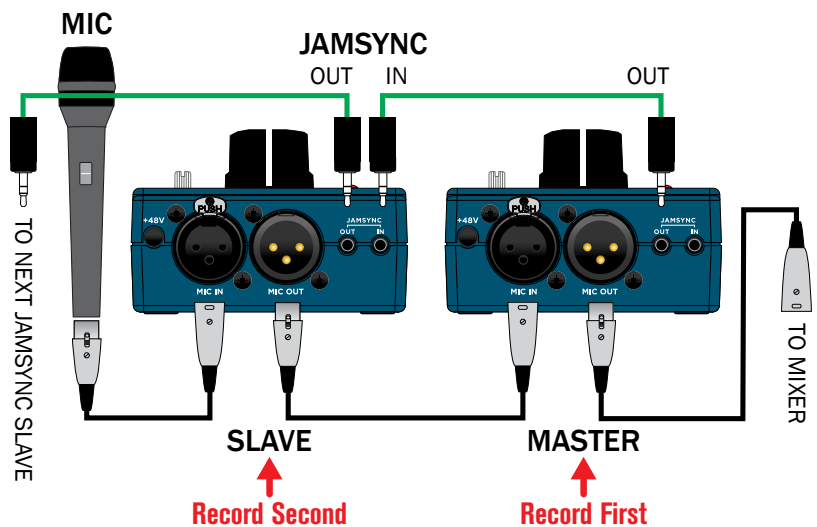
JamSync allows you to synchronize multiple JamSync compatible devices using optional 1/8" mini stereo (TRS) cables (see below cable diagram). This allows a JamSync master to control the loop playback and stop functions for all connected JamSync slaves, providing multi-track looping capabilities. You can cascade multiple JamMan Vocal XTs for single-player/multi-track looping or connect to other JamSync compatible devices to collaborate with other musicians, each recording and cueing their own loops for expressive multi-player/multi-track looping.

1/8" Mini Stereo (TRS) Cable Diagram



To use JamSync, connect the master device's **JAMSYNC OUT** jack to the **JAMSYNC IN** jack of the first slave device. The **REC** and **PLAY** LEDs on the slaved device will briefly flash, indicating the unit is in slave mode. Daisy chain any remaining slaves in the same manner.

When cascading multiple JamMan Vocal XTs in series and using JamSync, the last Vocal XT device in the chain will be the master. You will want to record to this master device first, then the second to last device, etc., working your way backwards through the signal chain. Performing these actions will ensure you record only what you intend to during each pass.



There are two methods for recording loops to a JamSync slaved JamMan device, they are:

- **Manual Slave Recording Method**

Using this method, you can record to the master then wait until you're ready to record to the slave. This method works well if you do not wish to immediately record to the slave and instead wish to record to the slave at a later time in the song. When using this method, at the point you are ready to record to the slave, you must arm the slave for recording before the master device reaches its loop start point. When the master reaches its loop start point it will send the record command to the slave device(s), so the slave device must be armed in advance to receive the record command.

- **Sequential Slave Recording Method**

Using this method, you can record to a JamSync slave immediately upon setting the loop end point of the master. Use this method when you want to immediately begin recording to the slave device after recording to the master device.

To record using the Manual Slave Recording Method:

1. Press the **FOOTSWITCH** on the master device and begin singing. The **REC LED** will light solid red and recording will begin.
2. When finished recording to the master, press the **FOOTSWITCH** once to set the loop end point. The phrase will automatically begin playing back in a repeating loop and the **PLAY LED** will light solid green.
3. Press the **FOOTSWITCH** on the slave device to arm the slave for recording. The **REC LED** on the slave device will begin flashing red. Once the master device reaches its loop start point, recording on the slave will begin (the **REC LED** will now light solid red on the slave device). Once recording has begun, you can begin singing.
4. When finished recording to the slave, press the slave's **FOOTSWITCH** once to set the loop end point. The phrase will automatically begin playing back along with the master loop and the **PLAY LED** will light solid green.
5. Press the **FOOTSWITCH** on the master device 2 times quickly to stop loop playback on both devices.

To record using the Sequential Slave Recording Method:

1. Press the **FOOTSWITCH** on the slave device. The **REC LED** will flash red, indicating the slave is armed for recording.
2. Press the **FOOTSWITCH** on the master device and begin singing. The **REC LED** will light

solid red and recording on the master will begin.

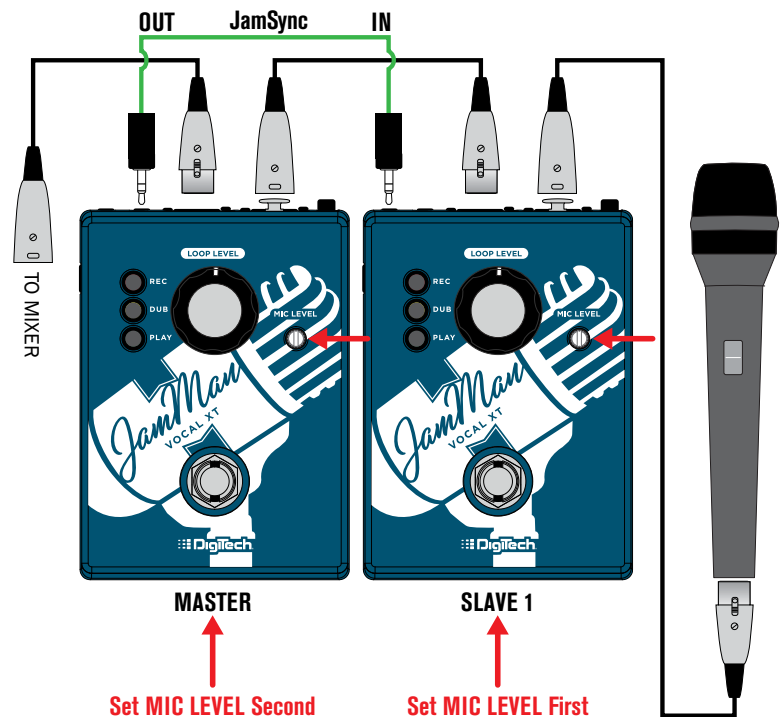
3. When finished recording to the master, press the master **FOOTSWITCH** once to set the loop end point. The master device's recorded phrase will begin playing back and the armed slave device will now immediately begin recording, indicated by the slave's **REC LED** lighting solid red. Once recording has begun you can continue singing.
4. When finished recording to the slave, press the slave's **FOOTSWITCH** once to set the loop end point. The phrase will automatically begin playing back along with the master loop and the **PLAY LED** will light solid green.
5. Press the **FOOTSWITCH** on the master device 2 times quickly to stop loop playback on both devices.

Gain Staging daisy chained JamMan Vocal XTs

When daisy chaining multiple Vocal XTs for multi-track vocal looping, you will want to optimize the gain structure of each pedal in the signal chain to achieve the best signal-to-noise performance.

To gain stage daisy chained Vocal XTs:

1. Begin by setting the **MIC LEVEL** on all JamMan Vocal XT's to the minimum position.
2. Start singing into the JamMan Vocal XT and set the **MIC LEVEL** to the optimal level on the device that the microphone is directly connected to – for optimal signal to noise performance, set this control so it lights green and orange regularly during normal performance and only lights red rarely on the loudest vocal signals.
3. Repeat step 2 on the next device in the chain (see diagram to the right).



Specifications

INPUT

Connector Type:	Female XLR Pin 2 Hot
Mic Preamp Input Impedance:	330 Ω Balanced
Unity Gain Input to Output:	Mic Level control set to 8 o'clock position
Max Input Level at Unity:	-3 dBu
Mic Level Gain:	+0 to +40 dB
Mic Preamp Phantom Power:	45V

OUTPUT

Connector Type:	Male XLR Pin 2 Hot
Output Impedance:	100 Ω Unbalanced / 200 Ω Balanced
Playback Unity Gain:	Loop Level knob set to 12 o'clock position
Maximum Output Level:	-9 dBu

PERFORMANCE

Sample Rate:	46.8 kHz/24-bit
Max. Individual Loop Time:	10 minutes (stereo)
Frequency Response:	+0/-3 dB 20-20 kHz
Signal to Noise Ratio:	-100 dB

POWER REQUIREMENTS

Consumption:	< 2 Watts typical
Current Draw:	< 200 mA typical / < 400 mA max

POWER ADAPTER

Model:	PS0913DC-01
Input:	100 VAC-240 VAC, 50/60 Hz
Output:	9 VDC 1.3 A
Polarity:	\oplus — \ominus — \ominus

DIMENSIONS/WEIGHT

Dimensions:	4.8" (L) x 3.4" (W) x 2.1" (H) 122 mm (L) x 87 mm (W) x 54 mm (H)
Product Weight:	0.6 lb / 0.27 kg
Shipping Weight:	0.9 lb / 0.41 kg

Product specifications are subject to change without notice. DigiTech, Silent Clear, and JamSync are trademarks of Harman.



PHONE: (801) 566-8800
WEB: digitech.com
SUPPORT: digitech.com/en-US/support

JamMan Vocal XT Owner's Manual
PN: 5050791-A

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