

iSTREAM2
by



Installation & User Manual

Index:

Introduction	3
iSTREAM2 Layout Summary.....	4 - 5
LCD Layout Summary	6 - 7
Web Browser	8
Installation	9
Connectivity Test/Volume Adjustments.....	10 - 11
Troubleshooting	12
Warranty & FCC	13

Introduction:

The iSTREAM2 is a state-of-the-art audio appliance that has the capability to stream audio content from the Internet .

Unpacking and Inspection:

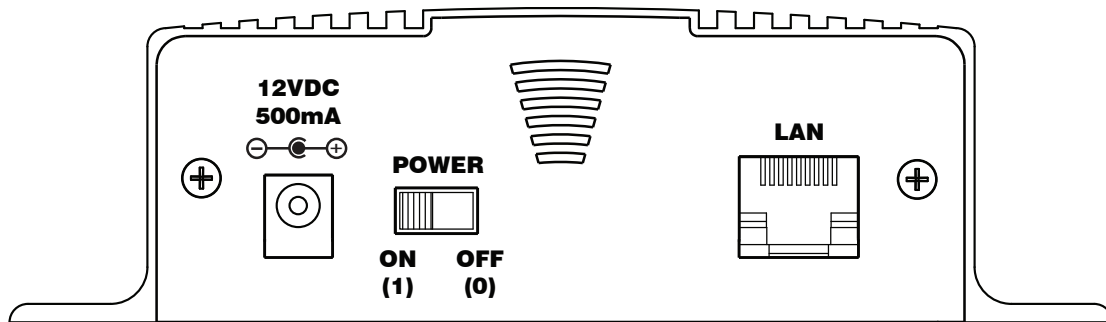
Before you begin installation, unpack and verify you have all the correct parts.

- (1) iSTREAM2
- (1) 12VDC @ 500mA power supply
- (1) Ethernet cable
- (1) RCA to RCA cable
- (1) RCA to 3.5mm adapter
- (2) Wall mount screws
- (1) Instruction manual

If you are missing any of these parts STOP and call support at 1-800-649-4487 (800-MIXHITS).

iSTREAM2 Layout Summary:

Front of Unit

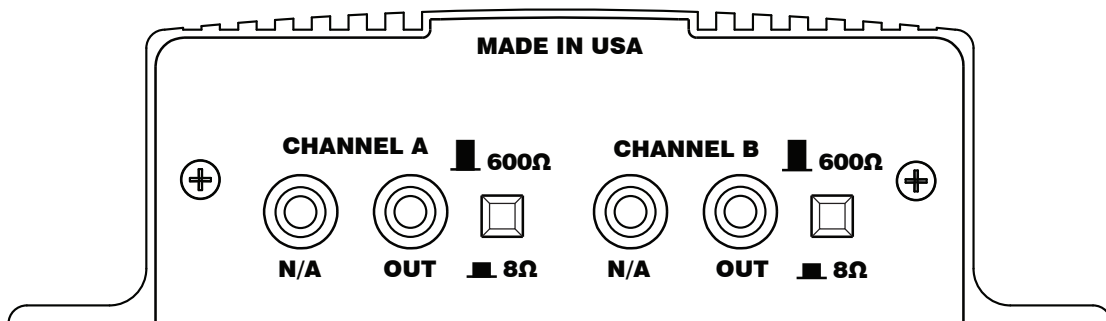


12VDC - This is where the supplied 12VDC @ 500mA power pack is connected.

POWER - Use this switch to turn the unit ON and OFF.

LAN - This jack connects to the local Ethernet that allows the iSTREAM2 connectivity to the Internet. The jack also has two built in LEDs that report back network activity and speed status.

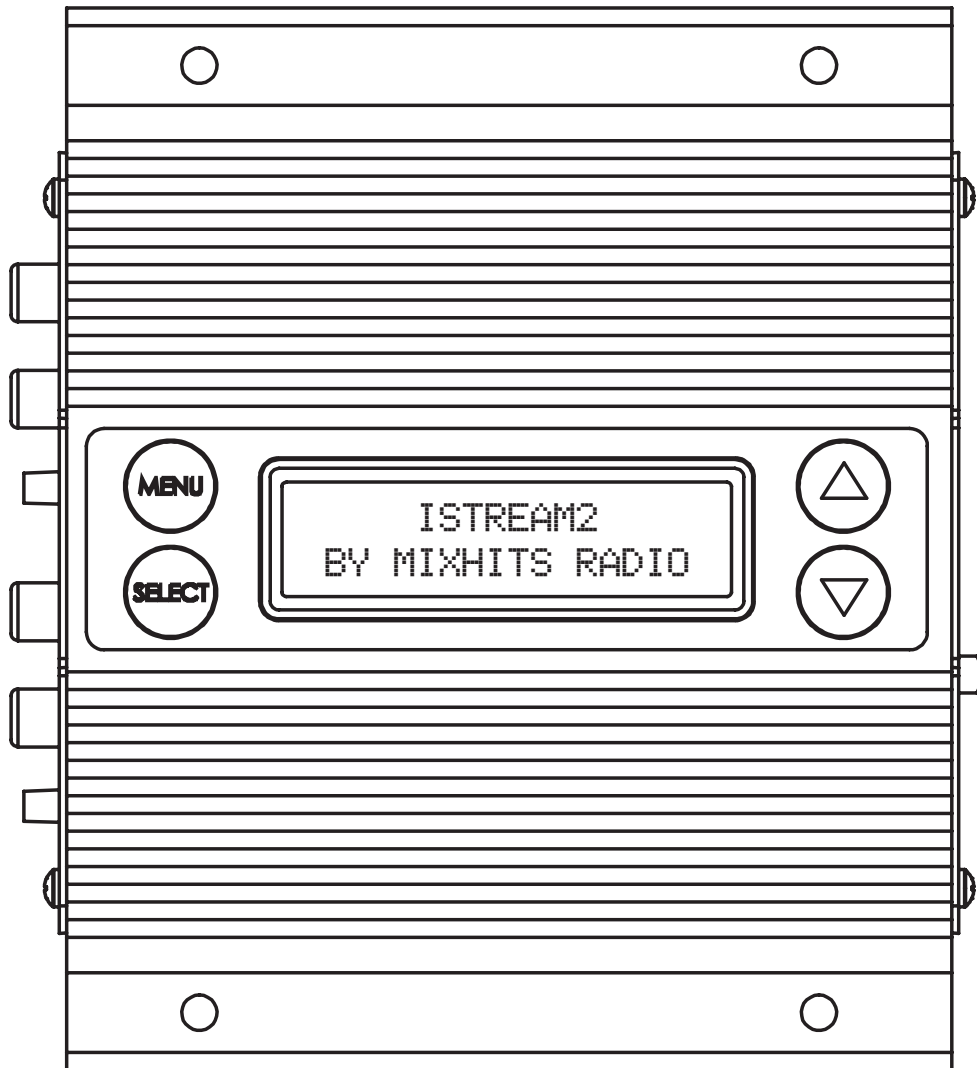
Rear of Unit



CHANNEL A or B (OUT) - This jack connects to a phone systems MOH port or an amplifiers AUX or CD input.

8Ω or 600Ω - This switch changes the output impedance of the CHANNEL A or B (OUT) jack.

Top of Unit



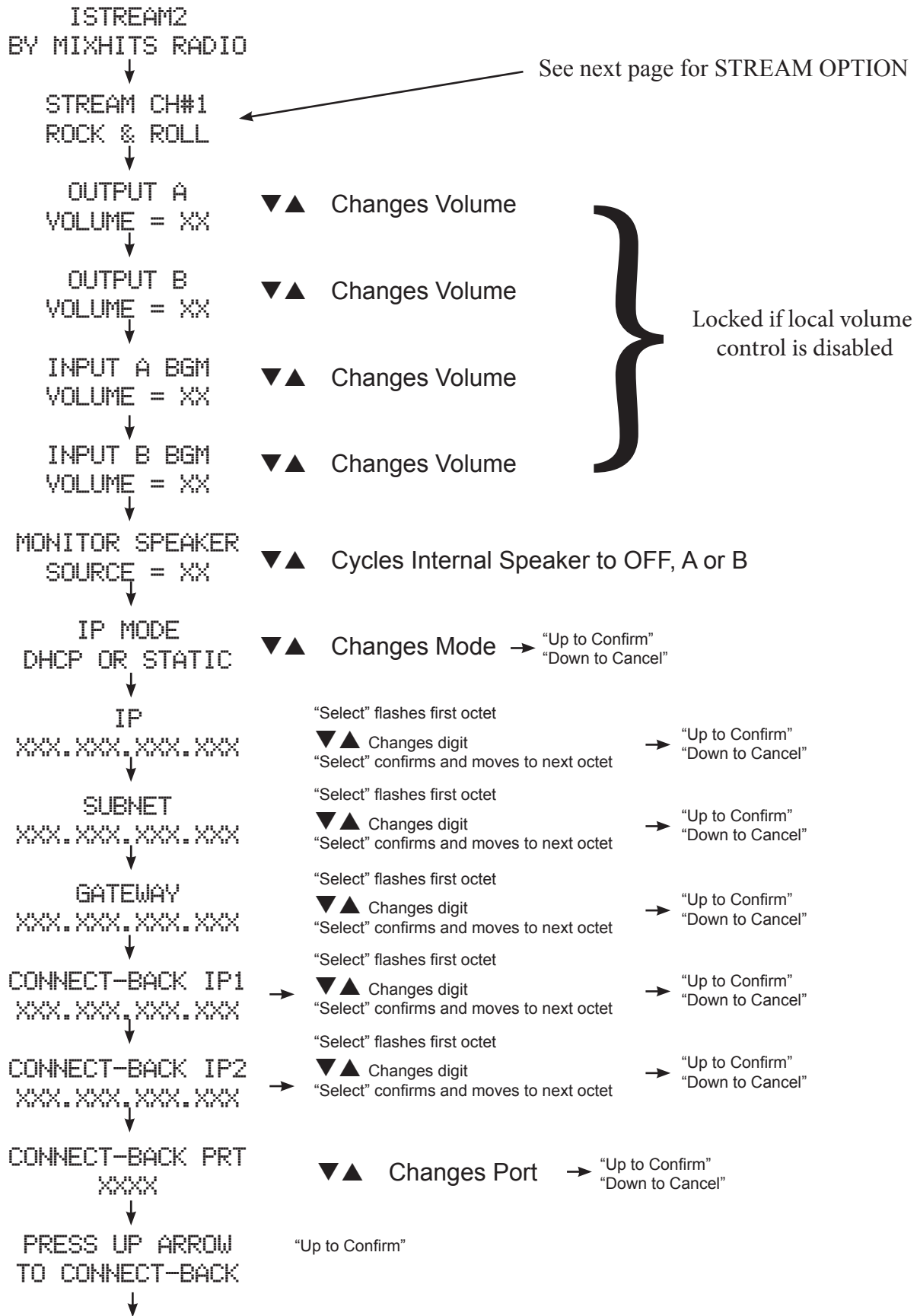
MENU BUTTON - Keypad button used to cycle through menu items.

SELECT BUTTON - Keypad button used to select menu item to be changed.

UP and DOWN BUTTONS - Keypad buttons used to make changes to selected items.

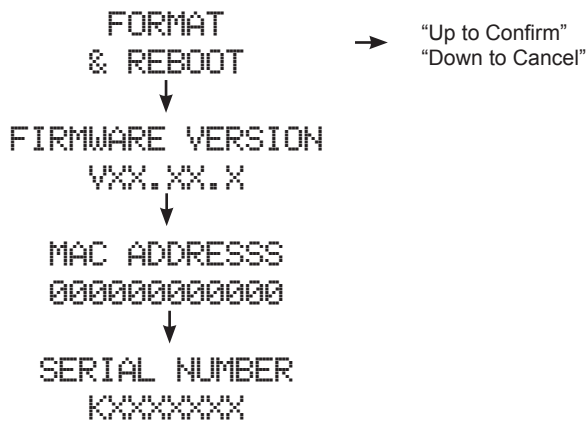
2 x 16 LCD - White lettering on blue backlighting LCD used to display unit information.

LCD Menu



Continued on Next Page

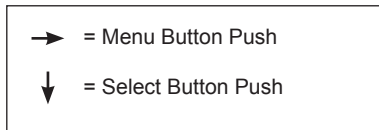
LCD Menu (Continued)



STREAM OPTION - LCD Menu



When changing stream the unit may take up to 30 seconds to buffer before new stream plays.



Note:

Changes to IP Settings only available in STATIC MODE


If MAIN MENU item is idle for more than 30 seconds the LCD reverts back to MAIN SCREEN

If SUB MENU is idle for more than 300 seconds the LCD reverts back to MAIN SCREEN and CANCELS any current changes.

Web Browser (Feature on firmware version 07.09X or higher)

The iSTREAM2 has a built-in password protected web browser that will display the units serial number, firmware version and MAC address. This browser will also allow the units communication mode, connect-back address and port to be changed.

iSTREAM2 Configuration Manager

Unit Information		
Serial Number :	<input type="text" value="K1132664"/>	
Firmware Version :	<input type="text" value="07.09.X"/>	
MAC Address :	<input type="text" value="00:60:35:11:5a:b8"/>	
Status :	<input type="text" value="LOGIN OK"/>	

	Current Settings	-->	New Settings
Mode :	<input type="text" value="DHCP"/>		<input type="text"/>
IP Address :	<input type="text" value="10.1.1.216"/>		<input type="text"/>
Subnet Mask :	<input type="text" value="255.255.255.128"/>		<input type="text"/>
Default Gateway :	<input type="text" value="10.1.1.129"/>		<input type="text"/>
Connect-Back IP #1 :	<input type="text" value="10.1.1.171"/>		<input type="text"/>
Connect-Back Port #1 :	<input type="text" value="80"/>		<input type="text"/>
Connect-Back IP #2 :	<input type="text" value="0.0.0.0"/>		<input type="text"/>
Connect-Back Port #2 :	<input type="text" value="80"/>		<input type="text"/>

Press "Submit" to make changes to the unit.
Leave "New Settings" blank if there is no change.

When changing **Mode** either DHCP or STATIC must be typed in the "New Settings" column. When changing to STATIC mode the IP, Subnet and Gateway must all be entered or the settings will not take when submitted. The **Status** will indicate if the settings have been updated to the unit.

Installation :

Step 1: Wall or shelf mount the unit. Rubber feet and screws are supplied in the accessory kit.

Step 2: Verify the power switch on the right side of the unit is set to OFF. Attach the included power pack to a wall or power strip receptacle, then attach the other end to the jack on the right side of the unit labeled 12VDC.

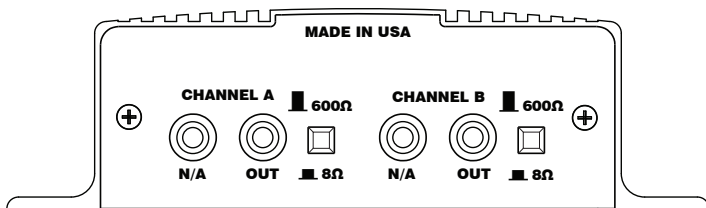
Step 3: If connecting unit to an amplifier make sure it is turned OFF for this part of the installation.

Step 4: Connect a RCA cable (supplied in the accessory kit) to the CHANNEL A (OUT) jack on the left side of the unit. Connect the other end of the RCA cable to a phones MOH port or amplifiers AUX or CD input. For dual output applications follow the same procedure for the CHANNEL B (OUT).

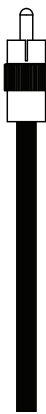
Step 5: Connect an Ethernet cable (supplied in the accessory kit) to the LAN jack on the right side of the unit. Connect the other end to a 10/100 speed switch or hub.

Wiring Diagram

Left Side

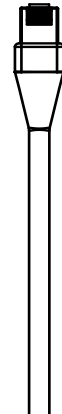
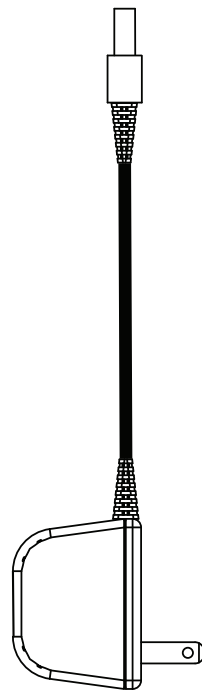
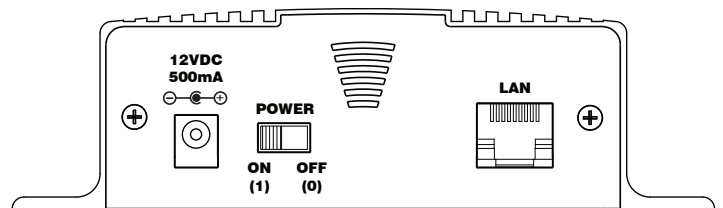


To MOH or PA



To MOH or PA
(Optional)

Right Side



To Switch or Hub

Connectivity Test:

Step 1: Verify the power switch on the right side of the unit is set to ON.

Step 2: On the LCD menu verify unit has a valid IP, subnet and gateway.

Example:

```
IP
010.001.001.206

SUBNET
255.255.255.128

GATEWAY
010.001.001.120
```

Step 3: On the LCD menu go to the “PRESS UP ARROW TO CONNECT-BACK” and press the UP ARROW.

```
PRESS UP ARROW
TO CONNECT-BACK
```

Step 4: The LCD will display the “FORCING CONNECT PLEASE WAIT”

```
FORCING CONNECT
PLEASE WAIT
```

Step 5: If there is a Connect-Back record waiting for the unit then the LCD will display “ACTIVE CONNECT XXX.XXX.XXX.XXX”.

Example:

```
ACTIVE CONNECT
10.1.1.171
```

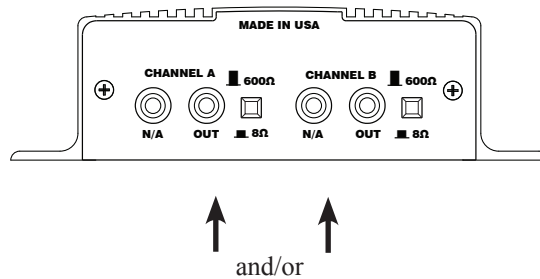
If there is no record waiting then it will display “CONNECT TO XXX.XXX.XXX.XXX” for one second on the LCD to confirm a successful connectivity.

Example:

```
CONNECT TO
10.1.1.171
```

Channel A & B Output Level Adjustments:

Step 1: Verify CHANNEL A or B (OUT) is connected to either a MOH port or amplifiers AUX or CD input.

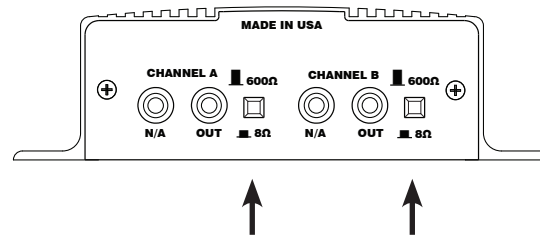


Step 2: Verify the unit is playing audio by listening to the internal monitor speaker.

```
MONITOR SPEAKER  
SOURCE = XX
```

▼▲ Cycles Internal Speaker to OFF, A or B

Step 3: Depending upon the device the 8Ω/600Ω switch may need to be pushed to better match the impedance of the device the iSTREAM2 is driving.



Step 4: Adjustment of the stored audio output level can be done through the LCD and Menu. Depending upon the application either call into the phone system and be placed on hold OR listen to the PA systems speakers to fine tune volume.

```
OUTPUT A  
VOLUME = XX
```

```
OUTPUT B  
VOLUME = XX
```

▼▲ Changes Volume

If you see a “LOCKED VOLUME SETTINGS” message then the dealer has locked this setting.

Note: This setting only adjusts the units audio outputs and does not adjust the volume of the internal speaker!

Step 5: All audio adjustments are applied live so changes are saved to the unit instantly.

Other LCD Status Messages:

Unit is booting:

```
BOOTING...  
PLEASE WAIT...
```

Unit is initializing:

```
SYSTEM IS  
INITIALIZING...
```

Unit is getting ip address:

```
SYSTEM IS  
SEEKING IP...
```

Dealer is connected to unit:

```
DIRECT CONNECT  
IS ACTIVE
```

Unit is connected to dealer:

```
ACTIVE CALLBACK  
XXX.XXX.XXX.XXX
```

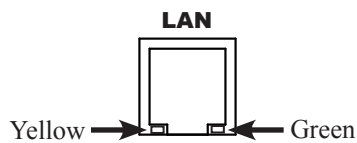
Format and reboot in progress :

```
FACTORY RESET  
IN PROCESS
```

Unit is formatting:

```
SYSTEM IS  
FORMATTING...
```

LAN LED Indicators



Action	LED
10MB	OFF
Not Used	FLASHING
100MB	SOLID

Action	LED
No Activity	OFF
Activity	FLASHING
Link	SOLID

Limited Warranty

TERMS: Mixhits Radio warrants to the original purchaser (“Buyer”) that the Product sold is free from defects in material and workmanship at the time of purchase. The warranty period begins at the time of Product’s original purchase by the first end-user. The warranty applies for one (1) year from the original date of purchase, or as long as the product is owned by the original purchaser, whichever comes first. Included in the warranty are parts and labor. Buyer must provide written notice to Mixhits Radio of any defective part or conditions within the warranty period. If the defect is not the result of improper use, service, maintenance or installation, and if the equipment has not been otherwise damaged or modified after shipment, Mixhits Radio or its authorized representative shall either replace or repair the defective Product at Mixhits Radio’s option. No credit shall be allowed for work performed by Buyer or unauthorized parties. Out-of-warranty repairs are invoiced at the current Mixhits Radio hourly rate plus the cost of parts, shipping and handling. In the event that the product serial number is missing or has been tampered with in any way, the foregoing warranty is void and without effect and Mixhits Radio shall have no liability whatsoever on account of defects to such product.

LIMITATIONS: Except as stated above, there are no warranties, express or implied, that extend beyond the specifications for the product. Mixhits Radio expressly disclaims any warranty, express or implied, that equipment sold hereunder is of merchantable quality or that it can be used, or is fit for any particular purpose. Buyer purchases and accepts equipment solely on the basis of the warranty here in above expressed. Under no circumstances shall Mixhits Radio be liable by virtue of this warranty or otherwise for any special indirect, secondary or consequential damages to any person or property arising out of the use or inability to use the product.

REPAIRING OR REPLACING PRODUCT: Buyer may obtain the repair or replacement of any eligible part or equipment covered under this warranty through a Mixhits Radio dealer only. Buyer is responsible for all shipping and handling charges in connection with the performance of this warranty. Products returned to Mixhits Radio must be securely packaged to prevent damage in transit, freight prepaid, and insured for replacement value. A return authorization number assigned by Mixhits Radio must be clearly marked on the outside of the shipping container. Proof of purchase must accompany shipment. Items delivered to Mixhits Radio without a return authorization clearly marked on the outside of the shipping container, and/or without proof of purchase is refused.

CONTACT: Please contact Mixhits Radio at the address and phone number below to receive a return authorization number and to arrange for the repair or replacement of a flawed part covered by this warranty. Please indicate the Product’s serial number in all correspondence or a RMA authorization number in the absence of a serial number. Mixhits Radio, PO Box 674, Northboro, MA 01532 : Phone: 1-800-649-4487 (800-MIXHITS).

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FCC Part 15 : This equipment has been tested and found to comply within the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of the equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct interference at his own expense. In order to maintain compliance with FCC regulations shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio & television reception.

Changes or modifications not expressly approved by Mixhits Radio could void the users’ authority to operate the equipment.

IC ES 003 : This Class A digital apparatus complies with Canadian ICES-003 C et appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.



1.800.649.4487
www.mixhits.com