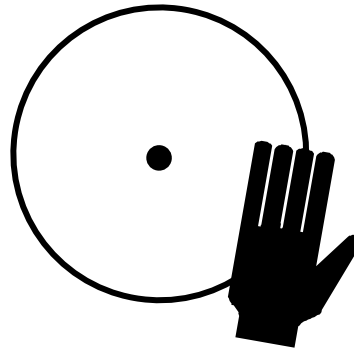


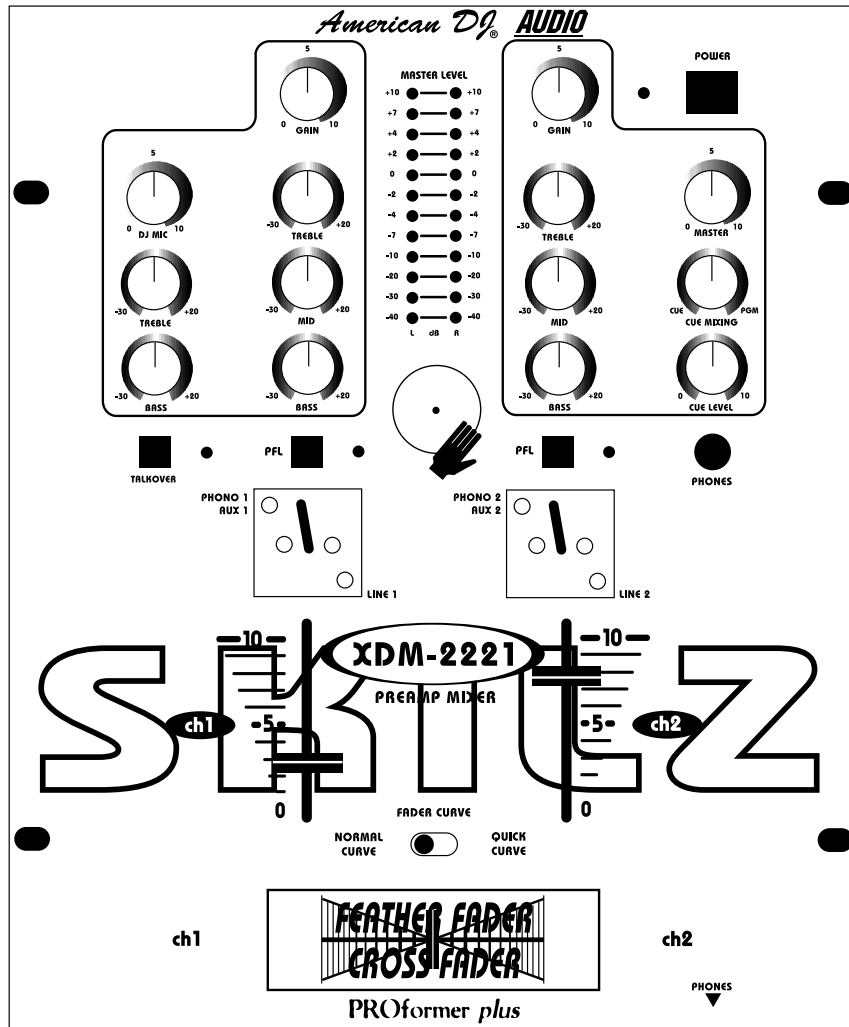


XDM-2221 "SKILZ"

professional preamp mixer



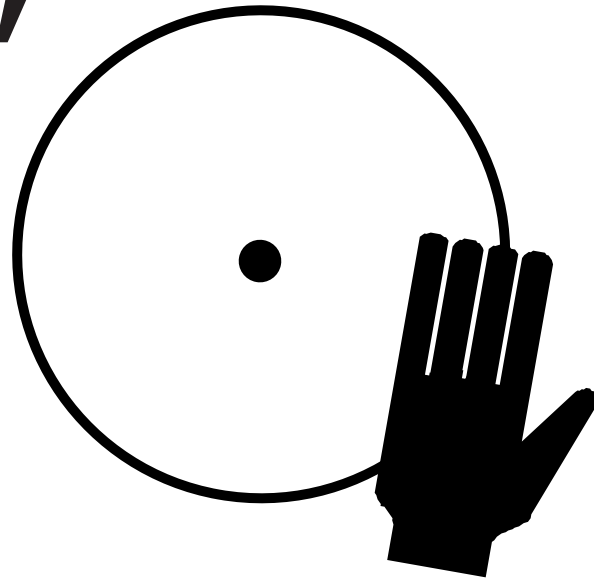
USER INSTRUCTIONS



djs wanted.

XDM-2221

"SKILZ"



The Ultimate DJ Scratch Mixer!

Main Features

- 2 phono, 2 line, 2 auxiliaries, & 1 microphone input
 - Hamster Switch for changing cross fader position
 - -30dB Rotary Kills for treble, bass & mids
 - Changeable transformer switch to up/down or left/right
- Equipped with high quality Alps Feather Fader™ (FF-3) Crossfader(replaceable/made in Japan)
 - Fader Curve Switch - changes from a normal curve to a quick curve (for crabbing)
 - Separate gain control for each channel • Bass, mid & treble on microphone
 - High output to headphones • 2 separate headphone inputs
 - Soft-touch rubber knobs for better control
 - Super clean signal to noise ratio
 - 2 year limited warranty

professional products designed for the working dj.

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Specifications subject to change without notice.
XDM-2221 "SKILZ" User Instructions page 2

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Thank you for purchasing this American DJ® product. The XDM-2221 Is ready to be used, there Is no assembly required. Please read the following Instructions before installing or using your new unit. The XDM-2221 has a 2 year limited warranty!

CAUTION! - Keep this device away from rain and moisture!

Safety Instructions

Always plug in the power last. Make sure that the Power switch is set to the OFF position before connecting other devices to the mixer.

Keep away from heaters and other heating sources!

If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch on the mixer immediately. The arising condensation of water might damage your device. Leave the device switched off until it has reached room temperature.

Never put any liquids on the mixer or close to it. Should any liquid enter the device, disconnect from main power immediately. Have the device checked by a qualified service technician before operating again. Any damage caused by liquid entering the device is not subject to warranty!

Never let the AC cord come in contact with other cables! Handle the AC cord and all AC connections with particular care.

Make sure that the available voltage is not higher than stated on the AC voltage selector (25).

Before the device is switched on, all fader and volume controls should be set to 0 or minimum position.

Damages caused by manual modifications to the device or unauthorized operation by unqualified persons are not subject to warranty.

There are no user serviceable parts inside the mixer. For maintenance and/or service, contact an authorized American DJ® dealer.

Operating Determinations

When installing this mixer, please make sure that the device is not exposed to extreme heat, moisture or dust! There should not be any cables lying around. Doing so endangers you as well as others. Do not operate the mixer in extremely hot (more than 30°C / 100°F) or extremely cold (less than 5°C / 40°F) surroundings. Keep away from direct sunlight and heaters.

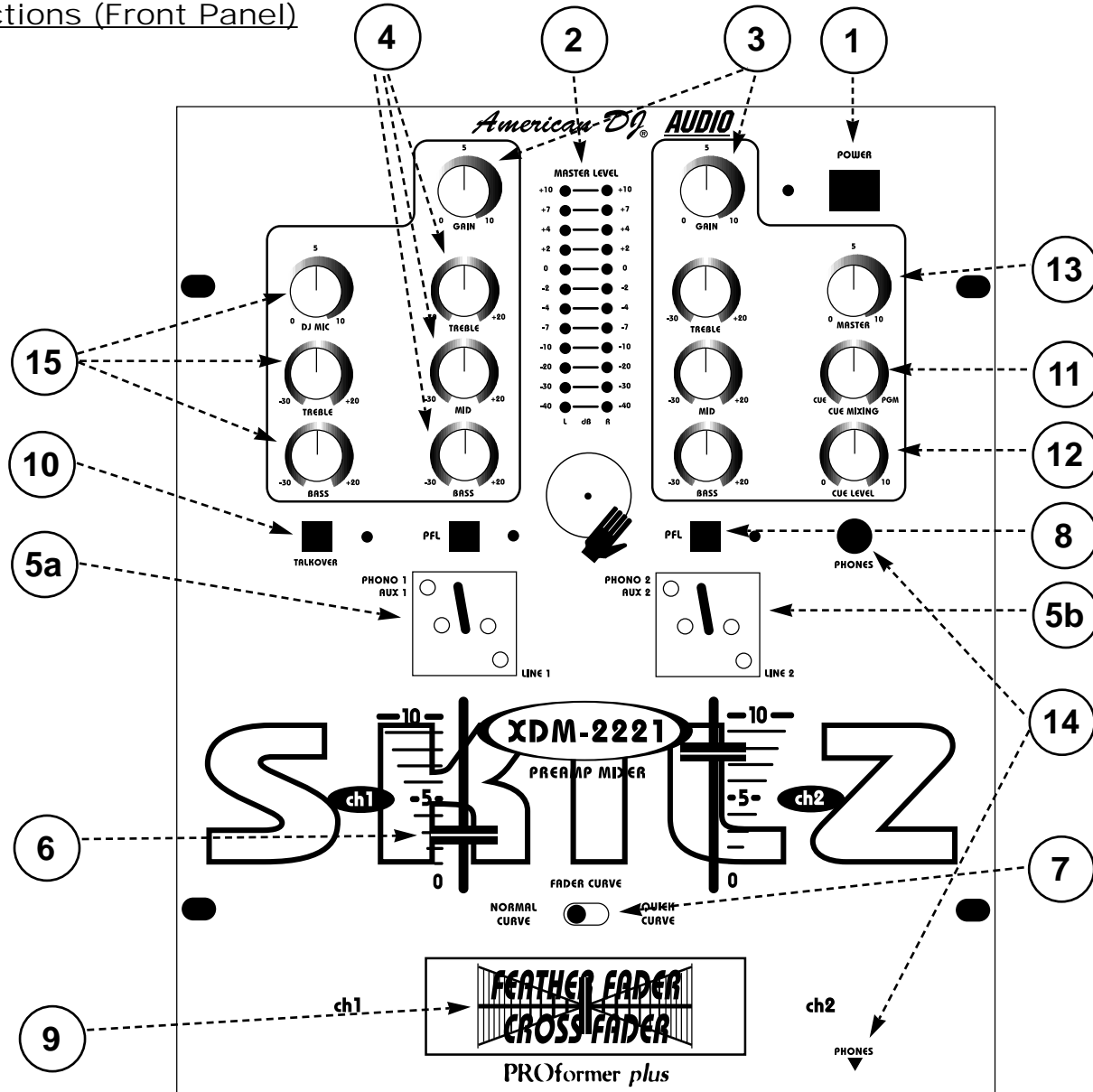
Operate the mixer only after becoming familiar with its functions. Do not permit operation by persons not qualified for operating the mixer. Most damages are the result of unprofessional operation!

Never use spray cleaners to clean the faders! Never use solvents or abrasive detergents to clean the mixer! It is recommended that you use a soft damp cloth. Please consider that unauthorized modifications on the device are forbidden due to safety reasons!

Connections (Refer to diagrams on pages 5 & 6)

- Make sure that the power switch (1) is set to OFF. Before connecting other devices to the mixer, all units have to be switched off and the Master Control (13) set to min.
- Make sure that the available voltage is not higher than stated on the voltage selector (25) before connecting to power.
- In order to obtain the highest sound quality, only use high quality American DJ®, Ameri-Cable™ cables for connecting devices. Make sure that the cables are properly fixed.
- Connect your amplifier to the MASTER OUT jacks (21). Make sure that the channels are set properly.
- For recording, connect your tape recorder or cassette deck to the OUTPUT REC jacks (24). The REC OUT level will not be influenced by the Master Control (13).
- Connect your microphone to the Microphone Input (22) on the rear panel (see diagram on page 4).
- The Q-2221 features one microphone input. The 1/4 inch (6.3mm) MIC JACK (22) on the rear panel. You can adjust the microphone volume output by turning the DJ MIC LEVEL (15). DJ MIC TREBLE & BASS may be controlled by the BASS & TREBLE KNOBS (15) below the DJ MIC KNOB.
- You can connect 2 turntables using the LEFT & RIGHT RCA PHONO 1 (17) and PHONO 2 jacks (18) on the rear panel. You can only control the turntables signal after you have switched the PHONO /AUX SELECTOR SWITCH (19) on the rear panel to PHONO, plus you must change the PHONO/AUX/LINE SWITCH (5a, 5b) on the front panel to PHONO/AUX. The signal is then controlled via the CH-1 and CH-2 faders (6).
- Connect your tape recorder, tuner, sound effects, CD player, and cassette decks etc. to the LEFT & RIGHT RCA LINE signals (17, 18) to the AMP OUT jacks (17, 18) on the rear panel. The signal is then controlled via the CH-1 and CH-2 faders (6) when the PHONO/AUX/LINE SWITCH on the front panel (5a, 5b) to LINE. CD players, cassette decks etc. may also be connected to the LEFT & RIGHT RCA PHONO/AUX jacks (17, 18) on the rear of the unit. You can only control this signal after you have switched the PHONO / AUX SELECTOR SWITCH (19) on the rear panel to AUX, plus you must change the PHONO/AUX/LINE SWITCH (5a, 5b) on the front panel to PHONO/AUX. The signal is then controlled via the CH-1 and CH-2 faders (6).

Functions (Front Panel)



- (1) **POWER SWITCH** - Red LED will light when power is ON.
- (2) **MASTER LEVEL** - Dual LED's show the level of the left and right master output.
- (3) **GAIN CONTROL** - Used to set the level of the input signal for its designated channel.
- (4) **BASS/MID/TREBLE CONTROL** - Used to increase or decrease the LOW's, MID's, and HI's of the input signal. The Q-2221 features "Rotary Kills" with -30dB to +20db input control.
- (5a) **CHANNEL 1 TRANSFORMER SWITCH (CHANGEABLE)** - Used to select the input to be sent to channel 1. TRANSFORMER SWITCH may be used up/down or left/right. To change the switch, see diagram on page 7.
- (5b) **CHANNEL 2 TRANSFORMER SWITCH. (CHANGEABLE)** - Used to select the input to be sent to channel 2. TRANSFORMER SWITCH may be used up/down or left/right. To change the switch, see diagram on page 7.
- (6) **CHANNEL FADER** - Used to adjust the output level of each channel.
- (7) **FADER CURVE SWITCH** - Changes Feather Fader™ Crossfader from a NORMAL CURVE to a QUICK CURVE (used for crabbing).
- (8) **PFL/CUE BUTTONS** - Use the PFL (Pre-Fader Levels)/CUE button to engage the input level of each channel.
- (9) **FEATHER FADER™ CROSSFADER** - Mixes the signals of channel 1 and channel 2. When the crossfader is set in the center position, both channels can be heard at once.

Functions [Front Panel) Cont.

(10) TALKOVER BUTTON - Press the talkover button when you want to use the microphone. When the button is pressed, all signals except the microphone level are decreased by 15dB. In the OFF position, all signals return to their original level. When talkover is ON, the red L.E.D. is lit.

(11) CUE MIXING CONTROL - Selects the channel for monitoring. The monitor signal comes from the Prefader. This means it will not be affected by the channel faders. You can monitor each channel individually. Connect your headphones to the HEADPHONES jack (14). Turn the CUE MIXING CONTROL (11) to CUE and select the desired channels with the PFL switches (8). When you turn the CUE MIXING CONTROL to PGM (PFL switches without function), you can cue the output signal of the mixer. If the CUE MIXING CONTROL is set to the center position, you can cue both the channel signal you selected and the output signal. With the CUE LEVEL control (12), you can adjust the phones volume without changing the output signal.

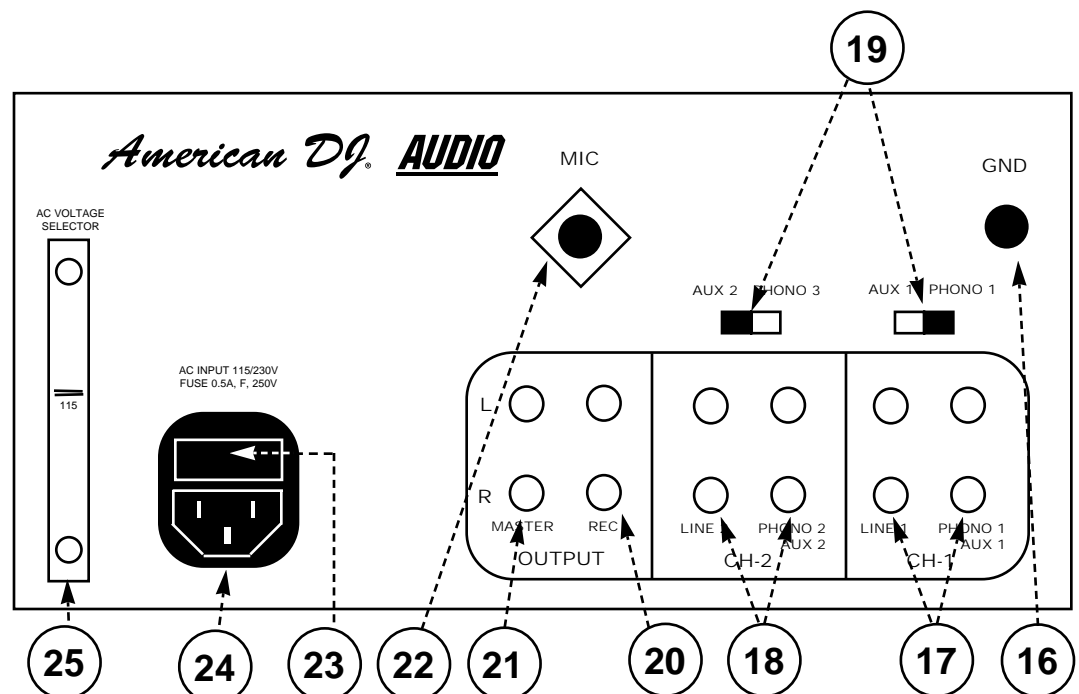
(12) CUE LEVEL CONTROL - Adjusts the headphone output level.

(13) MASTER CONTROL - Adjusts the level of the master output.

(14) HEADPHONES JACKS - Use this jack to connect the headphones. Headphones from 8 Ohms to 600 Ohms can be used. 16 Ohms is recommended. 2 separate headphone inputs are conveniently located on the face panel and bottom front panel.

(15) DJ MICROPHONE LEVEL / DJ MIC TREBLE CONTROL / DJ MIC BASS CONTROL - The DJ MIC LEVEL CONTROL adjusts the microphone volume output level. The DJ MIC TREBLE CONTROL and DJ MIC BASS CONTROL under the DJ MICROPHONE are used to adjust treble and bass of the DJ MICROPHONE.

Inputs and Outputs (Rear Panel)



Inputs and Outputs (Rear Panel) Cont.

(16) GND (GROUND TERMINALS) - Connect the ground lead of the turntables with this terminal. This helps to reduce humming and popping noises.

(17), (18) LINE / PHONO / AUX INPUT JACKS - Input jack for CH-1, and CH-2. Connect turntables equipped with MM pickup cartridge to PHONO inputs. CD players or Tape Decks should be connected to LINE input. Line level musical instruments with stereo outputs such as Rhythm Machines or Samplers should also be connected to LINE inputs. CHANNEL 1 (17) features left and right RCA inputs for LINE 1 and PHONO 1 / AUX 1. CHANNEL 2 (18) features left and right RCA inputs for LINE 2 and PHONO 2 / AUX 2. Other inputs (ie. CD players) may also be used in the PHONO/AUX RCA jacks(17, 18) when the PHONO/AUX SELECTOR SWITCH (19) is set to AUX.

(19) PHONO / AUX SELECTOR SWITCH - Changes phono to an extra line; allows the DJ to use a CD player or other input device in the same line as the phono line. When using a turntable select PHONO, and when using other input devices select AUX. PHONO/AUX lines can be used with LINES 1 and 2. The PHONO /AUX SELECTOR SWITCH gives the DJ the possibilities of 4 inputs lines (ie. 4 lines CD, tape etc.; or 2 lines CD, tape etc. and 2 phono lines).

(20) REC OUT - Connect to your record unit. The REC OUT level is not influenced by the master control (13).

(21) MASTER OUT - Parallel output of P.A. output. Connect with the input of a power amplifier.

(22) MIC JACK - Connect your microphone with 1/4 inch (6.3mm) jack plug here. The signals may be controlled by the DJ MIC CONTROL KNOB (15). BASS & TREBLE can be adjusted by the DJ MIC BASS CONTROL KNOB (15) and the DJ MIC TREBLE CONTROL KNOB (15).

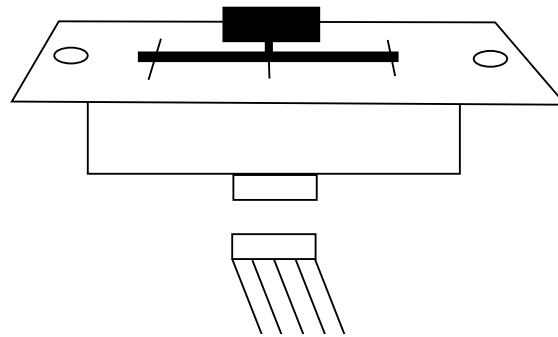
(23) FUSE - Fuseholder. Only replace the fuse when the device is disconnected from main power supply. Only replace with fuses of the same power and rating.

(24) AC CONNECTION - Standard IEC plug with detachable AC power cord.

(25) AC VOLTAGE SELECTOR - Select between 115V/50Hz or 230V/60Hz. Make sure that the selector is set to the proper voltage you are using.

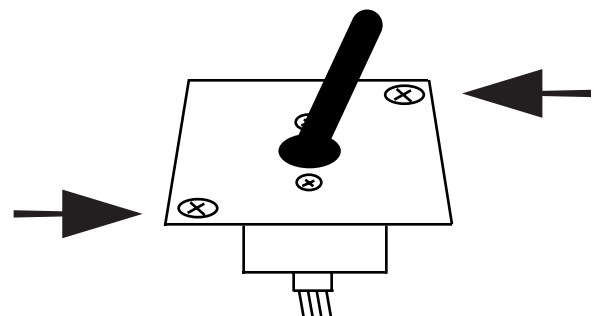
Replacing the Crossfader

- Disconnect from main power supply
- Remove the fader knob.
- Remove the two outer screws.
- Take the fader out and unplug the connection cable.
- Connect the new fader and replace back into mixer.



Changing the Transformer Switch

- Disconnect from main power supply.
- Unscrew 2 larger Philips screws (see arrow on diagram at the right).
- Move switch to desired position.
- Reinstall screws.



Technical Specifications - model XDM-2221

Inputs:

Line: 75mV, 3k Ohm • **Microphone:** 2.5mV, 600 Ohm • **Phono:** 1.5mV, 47k Ohm

Output: Line: 25V, peak to peak • **Headphones:** 5W @ 47 Ohm • **Distortion:** <0.03%

Signal-To-Noise Ratios:

Line: Better than 85dB • **Microphone:** Better than 78dB • **Phono:** Better than 80dB

Frequency Response:

Line: 20Hz - 15KHz, ± 0.5dB • **Microphone:** 20Hz - 20KHz, ± 0.5dB

ChannelEQ:

Bass / Mid /Treble: -30dB - +20dB

Talkover Attenuation: - 16dB

Microphone EQ: **Bass:** -30dB/+12dB @ 100Hz • **Treble:** -30dB/+12dB @ 10kHz

Headphone impedance: 16 Ohms

Power supply: AC 115/230V, 50/60Hz switchable

Power Consumption: 5W typical, 7W w/ full headphone output

Dimensions: 12.5" W x 10.25" D x 4" H / 252 x 305 x 102 mm

Weight: 8 lbs. / 3.5 kg

American DJ® AUDIO
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Los Angeles, CA 90058 USA
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Warranty & Service

The XDM-2221 has a 2-year limited warranty. Mail in warranty card as soon as possible.

For Service, contact your local American DJ® Dealer.

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