



AMX7351

FIVE-CHANNEL USB MIXER

OWNER'S MANUAL





Thank you for purchasing the **Audio2000'S®** five-channel USB mixer. For the best results and the utmost satisfaction from your new unit, please read this manual thoroughly, and retain it for future reference. For more information, please visit our website (www.audio2000s.com).

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WARNING

- * TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.
- * THIS APPLIANCE SHALL NOT BE EXPOSED TO DRIPPING OR SPLASHING WATER AND THAT NO OBJECT FILLED WITH LIQUIDS SUCH AS VASES SHALL BE PLACED ON APPARATUS.

 <p>This lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.</p>	<p style="text-align: center;">CAUTION</p> <p style="text-align: center;">RISK OF ELECTRIC SHOCK DO NOT OPEN</p> <p>Warning: To reduce the risk of electric shock, do not remove cover (or back) no user-serviceable parts inside. Refer servicing to qualified service personnel.</p>	 <p>The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.</p>
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IMPORTANT SAFETY INSTRUCTIONS

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) 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 the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) 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.
- 15) Grounding or Polarization This product may be equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
- 16) Ventilation Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
- 17) The MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

PRECAUTIONS

On Safety

- * Operate only on designated AC power supply (120V AC in North America).
- * Should any liquid or solid object fall into the cabinet, unplug the unit and have it checked by qualified personnel before operating it any further.
- * Unplug the unit from the wall outlet or set the Master switch to OFF if it is not to be used for several days.
- * To disconnect the cord, pull it out by the plug. Never pull the cord itself.

On Installation

- * Allow adequate air circulation to prevent internal heat build-up. Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation holes.
- * Do not install the unit in a location near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, excessive dust, mechanical vibration or shock.

On Repackaging

Do not throw away the carton and packing materials. They make an ideal container in which to transport the unit. When shipping the unit to another location, repack it as it was originally packed at the factory.

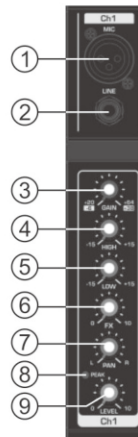


PACKAGE CONTENTS

<u>Items</u>	<u>Quantities</u>
AMX7351 Five-Channel USB Mixer	1
100V-240V AC/DC Power Supply Socket	1
USB Cable	1
Owner's Manual	1

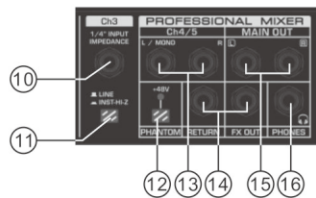
FEATURES

1. Five-Channel Audio Mixer with USB 5V Power Supply
2. Built-in USB Interface to Computer to Play and Record Music
3. Second USB Port to be Connected to a PC, Power Bank, or Power Socket for 5V Power Supply
4. Built-in 16 DSP Sound Effects
5. Built-in Bluetooth Interface
6. Built-in MP3 Player Supporting a Variety of Music Formats
7. Microphone and Stereo Line Inputs
8. FX Send and Return Jacks
9. Ultra-Musical 2-Band EQ on Channels 1 and 2
10. PAN Controls and PEAK LED Indicators on Channels 1 and 2
11. LED Display for MP3 Function
12. High-Accuracy LED Level Indicators
13. Phantom Power Switch (+48V)
14. Sealed Rotary Control Knobs to Resist Dust and Grime
15. Rugged Chassis
16. 100V-240V Power Supply for Worldwide Use

I. CHANNEL INPUTS AND OUTPUTS

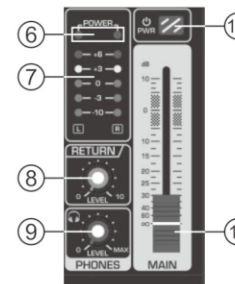
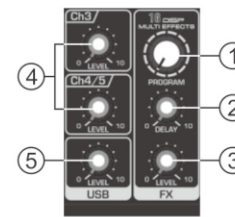
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1. **[MIC] Input Jack** --- This is a balanced XLR input jack for both channel 1 and channel 2. This XLR input jack is to be connected to a microphone via a balanced XLR cable.
 2. **[LINE] Input Jack** --- This is an unbalanced 1/4-inch input jack for both channel 1 and channel 2. This 1/4-inch input jack is to be connected to a musical instrument, or an audio device via a 1/4-inch TS cable.
 3. **[GAIN] Control Knob** --- This knob is used to raise or lower the gain level of the input signal. There are two sets of gain control dB numbers. The lower set of dB numbers is for the microphone signal level control while the higher set of dB numbers is for the audio signal level control. When the audio level is higher than a predetermined threshold, the [PEAK] LED indicator (refer to numeral 8) will keep flashing until the audio level goes below the threshold.
 4. **[HIGH] Treble-Tone Control Knob** --- This knob is used to adjust the gain for the input signal band centered at 12KHz in the range from -15dB to +15dB.

5. **[LOW] Bass-Tone Control Knob** --- This knob is used to adjust the gain for the input signal band centered at 80Hz in the range from -15dB to +15dB.
6. **[FX] Control Knob** --- This knob is used to adjust the level of the signal routed from this channel to the reverberation line. This signal level will vary according to the settings of the channel attenuators (HIGH and LOW, refer to numeral 4 and numeral 5). The signals from the stereo channel (R and L) will be mixed before being routed to the reverberation line.
7. **[PAN] Control** --- This control determines how much of the input signal is sent to the left and right channels. When the knob is centered at 12 o'clock, the input signal is sent equally to the left channel and the right channel with a -3dB attenuation. Turn this control fully counter-clockwise to send 100% of the input signal to the left channel. Turn this control fully clockwise to send 100% of the input signal to the right channel.
8. **[PEAK] LED Indicator** --- This PEAK LED indicator will keep flashing when the input signal level is higher than a predetermined threshold. When the PEAK LED indicator is flashing, adjust the gain control knob (refer to numeral 3) to a lower gain level until the PEAK LED indicator stops flashing to maintain the sound quality.
9. **[LEVEL] Control Knob** --- This level control knob is used to raise or lower the audio volume of the signal from this channel.



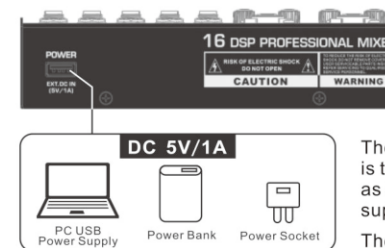
10. **[1/4" INPUT] Input Jack** --- This is an unbalanced 1/4-inch input jack for channel 3. This 1/4-inch input jack is to be connected to a musical instrument or an audio device via a 1/4-inch TS cable. When a high impedance instrument, such as a guitar, is connected to this input, the LINE/INST button (refer to numeral 11) is to be pressed down. When this input jack is used as a line input, the LINE/INST button is to be kept at the raised position.
11. **[LINE/INST] Button** --- This button is used to select the impedance of the 1/4-inch input jack for channel 3 (refer to numeral 10). When a high impedance instrument, such as a guitar, is connected to the 1/4-inch input jack for channel 3, this LINE/INST button is to be pressed down. When the 1/4-inch input jack for channel 3 is used as a line input, the LINE/INST button is to be kept at the raised position.
12. **[+48V PHANTOM] Button/LED Light** --- When one or more condenser microphones are connected to the XLR [MIC] input jacks (refer to numeral 1), press this [+48V PHANTOM] button to turn on the 48V phantom power to the condenser microphones via the XLR [MIC] input jacks. When the 48V phantom power is turned on, the phantom power LED light will be turned on and stay on.
13. **[Ch4/5] Mono/Stereo Input Jacks** --- These are the 1/4-inch TS input jacks for channel 4 and channel 5. Channel 4 is utilized as the left channel while channel 5 is utilized as the right channel in the stereo mode. If only one 1/4-inch TS plug is connected to channel 4 and the channel 5 input jack is not connected, the mono audio signal to channel 4 will be routed to channel 5 simultaneously, such that both channel 4 and channel 5 carry the same mono audio signal. These input jacks allow for the connection of a stereo playback device, such as a mobile phone or a CD player.
14. **[FX OUT & RETURN] Jacks** --- The [FX OUT] output jack is a 1/4-inch TS jack. The [FX OUT] output jack can be utilized alone as a monitoring output and connected to a power amplifier or powered monitor speaker. The [RETURN] input jack is a 1/4-inch TS jack. The [RETURN] input jack can be utilized alone as an input jack connecting to an external sound source. A signal processor can be placed between the [FX OUT] output jack and the [RETURN] input jack as an external signal processor for this mixer.
15. **[MAIN OUT] Stereo Output Jacks** --- These are stereo main output jacks, including a left 1/4-inch TS jack and a right 1/4-inch TS jack. These jacks are to be connected to power amplifiers or powered speakers.
16. **[PHONES] Stereo Output Jack** --- This is a 1/4-inch TRS jack for the stereo monitoring earphones/headphones.

II. MAIN CONTROL



1. **[PROGRAM] Control Knob** --- Turn this control knob to select from the built-in 16 digital sound effects, which provide the same sound effect signals to the left channel (L) and the right channel (R).
2. **[DELAY] Control Knob** --- This knob controls the time duration between the reverberations. Turn this knob clockwise to increase the delay time and counter-clockwise to decrease it.
3. **[FX LEVEL] Control Knob** --- This knob controls the volume of the reverberation effect. Turn this knob clockwise to increase the volume and counter-clockwise to decrease it.
4. **[LEVEL] Control Knobs** --- These level control knobs are used to raise or lower the audio volume of the signals from channel 3 and channels 4/5 respectively.
5. **[USB LEVEL] Control** --- This level control knob is used to raise or lower the USB channel audio signal volume.
6. **[POWER] LED Lights** --- There are two red POWER LED lights to indicate that the mixer power is on.
7. **Stereo Signal Level Meter** --- This is a stereo signal level meter configured with three green LED lights at the bottom, one yellow LED light at the middle, and one red LED light at the top on both the left channel side and the right channel side. When the red LED light is turned on frequently, the MAIN OUT output (refer to numeral 15 on page 5) signal level may need to be lowered by adjusting the MAIN OUT level control fader (refer to numeral 11).
8. **[RETURN LEVEL] Control** --- This control knob adjusts the signal level of the RETURN input (refer to numeral 14 on page 5).
9. **[PHONES] Level Control** --- This control knob is used to adjust the earphones/headphones volume.
10. **[POWER] Button** --- This button is used to turn on or turn off the mixer power.
11. **[MAIN] Output Level Control Fader** --- This level control fader is used to raise or lower the audio volume of the signal to the MAIN OUT output jacks (refer to numeral 15 on page 5).

III. USB FOR POWER SUPPLY ONLY

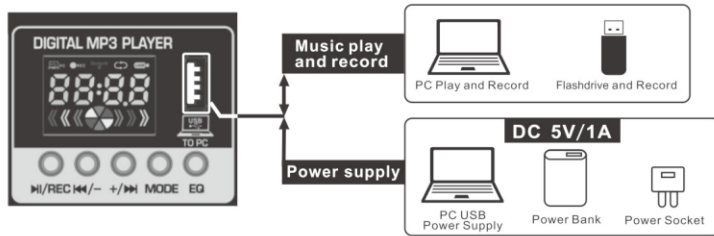


The USB port at the rear panel of this mixer is to be connected to a power source, such as a PC USB port, a power bank, or the supplied power socket

The power source must meet the following requirements:

Output voltage: 4.8V to 5.2V
Output current: 1A or even more

IV. MUSIC PLAYING, RECORDING CONFIGURATION



1. **[DIGITAL MP3 PLAYER] Display** --- The [DIGITAL MP3 PLAYER] display shows device being used and the playing or recording status.
 2. **Control Buttons** --- There are five control buttons as follows:
 - A. [EQ] Button: Press this [EQ] button to select one of six built-in sound effects (Normal, Rock, POP, Classic, Jazz, and Country).
 - B. [MODE] Button: Press this button to select the device and the function in the order of USB port [USB], recording [REC], and Bluetooth [BT]. Press and hold this button to loop the playback.
 - C. "▶/REC" Button: When the USB device or the Bluetooth interface is used for playback, press this button to start playing music from the device. Press this button again to have the music paused. When the music is paused, press this button to continue the music from where it was paused. When the recording mode [REC] is selected in step B, press this button to start recording. While recording is in progress, press this button to stop recording and start playing back the recorded music.
 - D. "--/- Button: When the music from the USB device, the Bluetooth interface, or a PC is in progress, press this button to start the previous music track. Press and hold this button to lower the sound level.
 - E. "--/+ Button: When the music from the USB device, the Bluetooth interface, or a PC is in progress, press this button to start the next music track. Press and hold this button to raise the sound level.
 3. **BLUETOOTH CONNECTION** --- Press the [MODE] button until the [BT] icon is flashing on the [DIGITAL MP3 PLAYER] display. Pair your Bluetooth sound source device (such as a mobile phone) to this mixer. The pairing code is "KT-M5". A sound prompt will be used to indicate that the Bluetooth pairing is completed and the music from your sound source device will follow.
 4. **Recording to USB** --- Press the [MODE] button until the [REC] icon shows on the [DIGITAL MP3 PLAYER] display. Press the "▶/REC" button to start recording and the [DIGITAL MP3 PLAYER] display will show the recording time. Press the "▶/REC" button again to pause recording. Press the "MODE" button to stop the recording.
 5. **Computer Sound Card** --- When this mixer is connected to a computer via a USB cable, it will enter the PC playing states automatically.
- NOTE:** The computer will install the driver automatically at the first USB connection. The connected computer can be used for playback or recording only after the initial driver installation is completed.

SPECIFICATIONS

Frequency Response	20Hz-20KHz ±1dB+4dBμ@1KHz	
Total Harmonic Distortion	<0.5% @+4dBμ(22Hz - 22KHz)	
Channel	Five Channels	
Input Channels	MIC/LINE	2(XLR & 1/4-inch TS)+1(1/4-inch TS)
	Stereo Line Input	1 (Ch 4/5, 1/4-inch TS)
	MP3	1(MP3/EQ)
	USB Sound Card	2.0 Type-A
	Bluetooth	1
Output Channels	Main OUT	L/R (1/4-inch TS)
	Phones OUT	1 (1/4-inch TRS)
Auxiliary	FX(OUT)	1
	Return(IN)	1
Input Channel Function	EQ/2-band	HIGH: Gain/±15dB. Frequency :12KHz Shelving LOW: Gain/±15dB. Frequency : 80Hz Shelving
	Peak LED	LED turns on when post EQ signal reaches 3dB below clipping level
Level Meter	2 x 5-segment LED meter , (+6,+3.0,-3,-10dB)	
Effects/FX	Built-in 16 DSP	
Phantom Power Voltage	+48V	
Power Input	EXT.DC IN:5V-1A/2.0 Type-A	
Power Consumption	5W	
Dimensions (WxHxD)		180 x 42 x 210mm
		7 x 1.6 x 8.2inches
Net Weight	1.18Kg(2.6lbs)	

TROUBLESHOOTING

If the problem cannot be remedied after the following checks, please consult your dealer.

PROBLEM	POSSIBLE CAUSES	SOLUTIONS
Power can not be turned on	Power supply cord was not connected or was not connected securely.	Securely connect the power supply cord to power socket.
	The power supply cord is defective.	Replace the power supply cord.
	The AC power outlet has no power.	Connect the power socket to an AC power outlet with proper power.
	The AC power source is from an AC power extension cord and the power switch of the extension cord is not turned on.	Turn on the power switch of the AC power extension cord.
No output sound	The power is off.	Turn on the power.
	The stereo level fader was turned to minimum.	Adjust the stereo level fader to have an optimal output level.
	The main output audio cable is missing or defective.	Connect, repair or replace the audio cable.
Any channel has no sound	The channel gain control knob was turned to minimum.	Adjust the channel gain control knob to have an optimal output level.
	The microphone level knob was turned to minimum.	Adjust the microphone level control knob to have an optimal output level.
Microphone has no sound	No phantom power to the condenser microphone.	Turn on the phantom power.
	The microphone gain control knob was turned to minimum.	Adjust the microphone gain control knob to have an optimal microphone output level.
	The microphone level control knob was turned to minimum.	Adjust the microphone level control knob to have an optimal microphone output level.
Distorted sound	The amplitude of the input signal is over the threshold.	Adjust the gain control knob to lower the input gain.
	The amplitude of the main output signal is over the threshold of the connected amplifiers or active speakers.	Adjust the stereo level fader to lower the main output level.

SERVICE INFORMATION

SHIPPING DAMAGE

If the shipping carton is found to be damaged, notify the delivery company immediately. Save the damaged carton as evidence for the delivery company to inspect. It is the responsibility of the shipper to file a claim with the delivery company for any damaged that occurs during shipping. In the case that the shipping carton is in good condition but the unit is damaged or defective, call H & F Technologies, incorporated, U.S.A. at 805-523-2759.

WARRANTY PERIOD

For the period of one (1) year from date of original retail or online purchase for parts and 90 days for labor (the Warranty period) from an authorized **Audio2000'S®** dealer, H & F Technologies, incorporated, U.S.A., warrants that products distributed by H & F Technologies, Incorporated in the U.S.A. that fail to function properly under normal use due to manufacturing defect when installed and operated according to the owner's manual instructions enclosed with the unit will be repaired or replaced with a new or reconditioned product with comparable value, at the discretion of H & F Technologies, incorporated, without charge to you for parts or actual repair work. Parts supplied under this warranty may be new or rebuilt at the option of H & F Technologies, incorporated.

This Warranty period for retail or online customers commences upon the date of retail sale, online sale, or the time that the product is first put into use, whichever occurs first.

This Warranty is valid for 90 days from the date of purchase on any product which is used in any trade or business, or in an industrial or commercial application.

PRODUCT

This warranty covers the product during the warranty period with the proof of purchase only. In the event service is required, call H & F Technologies, Incorporated at 805-523-2759 for a Return Authorization number (RA number) and the product must be delivered within the Warranty period, transportation prepaid by the product owner from within the United States. You will be responsible for removal and installation of the product. H & F Technologies, Incorporated will pay for the standard shipping cost for returning the product to you within the continental United States for all necessary repairs or replacements which are covered by the warranty.

No liability will be accepted for damages or loss directly caused from the use of this product. H & F Technologies, Incorporated's liability shall be limited to the repairs or replacements of this product if found to be defective.

WHAT'S NOT COVERED

- 1) Any damage to the products resulting from alteration, modifications not authorized in writing by H & F Technologies, Incorporated, misuse or abuse, neglect, accident, improper installation, damage due to lightning or due to power surges, subsequent damage from leaking, damaged or inoperative batteries or the use of batteries not conforming to those specified in the owner's manual instructions.
- 2) The cost of parts or labor, which would be otherwise provided without charge under this warranty, obtained from any source other than a H & F Technologies, Incorporated Authorized Service Company or other designated location. This warranty does not cover defects or damages caused by the use of unauthorized parts or labor, or from improper maintenance.
- 3) Normal wear and tear of this product, including but not limited to headset and lapel microphones, earphone ear cushions, microphone clip, and microphone mesh grille.
- 4) Any product that has been used as a rental unit.