

## AM Series Analog Mixing Console

### I MIX 8 Pro/I MIX 12 Pro

# Symbol Definitions

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## Symbol Definitions:



**DANGER:**  
Indicates a high-risk hazard. Failure to observe this warning may result in severe injury or death.



**WARNING:**  
Indicates a medium-risk hazard. Failure to observe this warning may result in injury or equipment damage.



**CAUTION:**  
Provides supplementary information or operational guidance that is not directly related to personal safety.



This series is classified as professional audio equipment. Output configurations and voltage levels differ from consumer-grade devices. Strictly adhere to all labeling and connection diagrams on the unit. Failure to do so may result in serious hazard.



This product contains high-voltage circuits internally. Only qualified service personnel certified in professional electronics repair may open the chassis. Unauthorized disassembly or modification may result in electric shock or fatal injury.



Do not dispose of this product with general waste. Device is recyclable.



This product is for indoor use only.



This device is intended for indoor use only.

# Safety Guidelines

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Prior to use, read this manual in its entirety. Retain this document for future reference and compliance verification.

- ◆ **Power Supply:** Use only the power supply type specified in this manual.
  - ◆ **Power Cord Protection:** Avoid placing heavy objects on the power cord. Pay particular attention to the plug, strain reliefs, and wall outlet. Never pull or yank the cord to disconnect.
  - ◆ **Moisture:**  
Do not operate this device near water sources, including bathtubs, sinks, kitchens, basements, or swimming pools. Exposure to moisture may result in electric shock.
  - ◆ **Temperature:** Keep the unit away from heat sources such as radiators, heat registers, stoves, or other heat-producing equipment (including amplifiers).
  - ◆ **Electric Shock:** Prevent foreign objects or liquids from entering the chassis. Metal or conductive debris may cause internal short circuits, resulting in electric shock.
  - ◆ **Fire Hazard:** Do not place vases or liquid-filled containers on top of the unit. Spillage may cause internal short circuits, resulting in fire.
  - ◆ **Chassis Access:**  
Do not remove covers. High-voltage circuits are present inside. Unauthorized access may result in severe electric shock. The manufacturer assumes no liability for injuries resulting from non-authorized service.
  - ◆ **Cleaning:** Do not use volatile solvents such as alcohol, paint thinner, gasoline, or aerosol sprays. Use only a clean, dry cloth.
  - ◆ **Abnormal Odor or Smoke:**  
If unusual odors or smoke are detected, immediately power off the unit and disconnect the power cord. Contact your dealer or an authorized service center.
  - ◆ **Long-Term Storage:**  
A. Disconnect the power supply and unplug the unit to prevent fire hazards.  
B. Ensure that water, metal, flammable materials, or foreign objects do not enter the chassis. In the event of contamination, immediately power off and contact your dealer or our service center.
  - ◆ **Note:**  
The power plug serves as the mains disconnect device. Ensure the outlet is easily accessible for emergency disconnection.  
**Power-On Sequence:**
    - Power-On: Mixer → Power Amplifier
    - Power-Off: Power Amplifier → Mixer
- Grounding:**  
This is a Class I device. The power plug must be connected to a grounded mains outlet.



**Warning:**

- Do not route the power cable beneath the unit or trap it between objects.
  - Do not place the power supply in high-traffic areas.
- Damaged power cords may cause electric shock or fire.

# To Customers

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Dear Customer,  
Thank you for choosing AM Series. To ensure your safety and optimal performance, please read this manual thoroughly before operation.  
Retain this document for future reference.

Unpacking Inspection:  
Upon unboxing, inspect for transit damage. Follow this manual to connect and test all functions. Report any damage to your dealer immediately.



NOTES:

- ◆ Verify the serial number label on the rear panel is intact.
- ◆ Ensure all included accessories are present.
- ◆ Retain all packaging for future transport or service.
- ◆ Units opened by non-authorized service centers are not covered under warranty.

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# Product Overview

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The AM Series is a multi-functional analog mixing console available in two models:

AM8: 8-channel input

AM12: 12-channel input

Both models equipped with a 2.8-inch color screen and features a dual effects bus design. Each effects bus offers 9 types of effectors and 120 optional effector preset parameters.

With a compact size, lightweight design, comprehensive functions, simple and intuitive operation, user-friendly interface, fast response speed, as well as reliable and stable performance, it is suitable for various small-scale application scenarios such as bands, orchestras, conferences, etc.

## Key Features:

▼ 2.8-inch high-definition color screen display, clearly showing channel selection information, track information and effector type information at a glance;

▼ 9 (AM8) / 12 (AM12) high-quality 60mm travel faders

▼ Input configurations:

AM8:

Ch1-4: XLR/ ¼-inch TRS (Combo) with INSERT

Ch5-6, 7-8: XLR/ ¼-inch TRS (Combo)

Ch7/8 allows selection among U-disk input, USB sound card and Bluetooth input

AM12:

Ch1-4: XLR/¼-inch TRS (Combo) with INSERT

Ch5/6, 7/8: XLR/¼-inch TRS (Combo)

Ch9-10, 11-12: ¼-inch TRS

Ch11/12: allows selection among U-disk input, USB sound card and Bluetooth input

▼ Output configurations:

AM8:

1× L/R main output (XLR)

1× ¼-inch headphone output

1× AUX output (¼-inch TRS)

1× MONITOR output (XLR)

1× Footswitch FX (¼-inch TS)

AM12:

1× L/R main output (XLR)

1× ¼-inch headphone output

1× GROUP output (XLR)

2× AUX outputs (¼-inch TRS)

1× MONITOR output (XLR)

1× Footswitch FX (¼-inch TS)

▼ HPF (High-Pass Filter) with low-frequency cut

One key to eliminate plosives while retaining the thickness of the voice

Filter out the muddiness caused by cabinet resonance

▼ COMP (Compressor) with adjustable threshold

To suppress sudden large levels

To avoid "trump" noise which may damage the sound system

▼ With footswitch effector function, enabling one-key on/off of the effector;

▼ 3-band EQ adjustment for each input channel.

▼ Dual built-in effects buses (FX1/FX2): 9 effect types (Reverb, Echo, Reverb+Echo, Chorus, Wah, Tremolo, Distortion, Pitch Shift, Flanger) and 120 groups of effector preset parameters

▼ 2 digital input methods: USB input and Bluetooth input, with real-time switching.

▼ Reliable and stable performance—each knob and button has undergone strict pressure testing to ensure a sufficiently long service life;

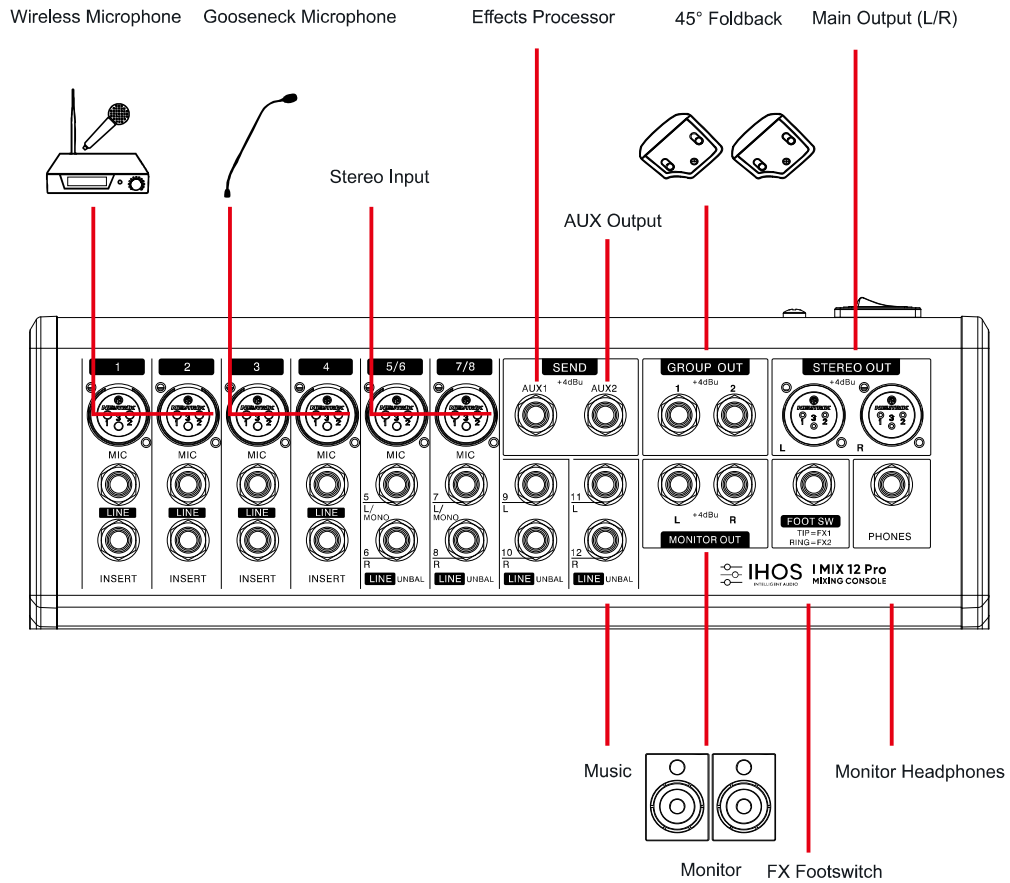
# Quick Setup Guide

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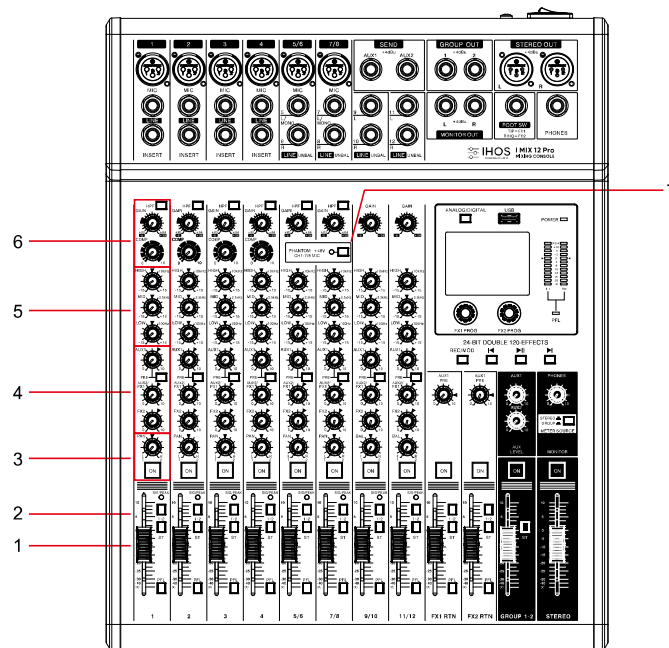
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01. Power on the mixer. After the device starts up, push all input and output channel physical faders to lowest positions. First wait for 5 seconds, then turn off the machine and disconnect the power supply.
02. Connect the power amplifier or active speakers to the main output XLR connectors on the back panel of the mixer. Connect the mixer's Main output L/R to the XLR inputs of the power amplifier.
03. Connect external audio sources such as microphones or CD players to the mixer.
04. Turn on the power of external audio sources like microphones or CD players, then press the power button of the mixer to start it. And finally, turn on the power amplifiers or active speakers.
05. Adjust the function knobs above the channel according to the channel to be configured. You can set gain, equalization, and channel sends.
06. If condenser microphones or other phantom-powered devices are connected, turn on the 48V phantom power.
07. Push the physical fader of the input channel to the 0dB position, then adjust the gain parameter to match the required signal level.
08. Push the main fader until the sound system produces audio at an appropriately volume.
09. If the input signal needs frequency modification, use the 3 equalizer knobs on the device (HIGH for high frequency, MID for mid frequency, and LOW for low frequency) to adjust.
10. According to the source requirements, use the Equalizer to boost or cut the corresponding frequency bands, and use the compressor to control dynamic range.
11. Adjust the channel pan according to the final balance requirements.
12. To route an input channel to different output buses, press the corresponding output bus buttons at the channel send mix section for enable mix sending. Rotate the effector knobs (FX1-FX2) to adjust the effector signal level.
13. To route effects to different output buses, press the corresponding send buttons at the effect channel send mix section to configure.
14. To adjust the bus output volume, locate the fader or knob corresponding to the output bus and adjust the volume.
15. To use U-disk, USB sound card, or Bluetooth, press the input source selection buttons above the device's display. The optional inputs are: analog input channels 11/12, Bluetooth, USB, or sound card(select one).

# Typical Connection Diagrams



# Control Panel Layout



1. Channel Fader: Used to adjust channel volume (the red fader on the far right is the main output).  
 1) PFL Button: Pre-Fader Listen switch. Press to monitor the sound of the current channel

2. Signal Mix Send Buttons:  
 ST (Stereo) Red Button: To send the signal of this channel to the Main Output Bus.  
 1-2 Button: To send the signal of this channel to the Group Output Bus (AM12 only).  
 Signals can be sent simultaneously or separately via both buttons.

3. PAN (Panoramic) Adjustment Knob: Used to set left and right channels, typically for stereo signal input.  
 ON Button: Channel activation button. Press to enable/disable the channel signal.

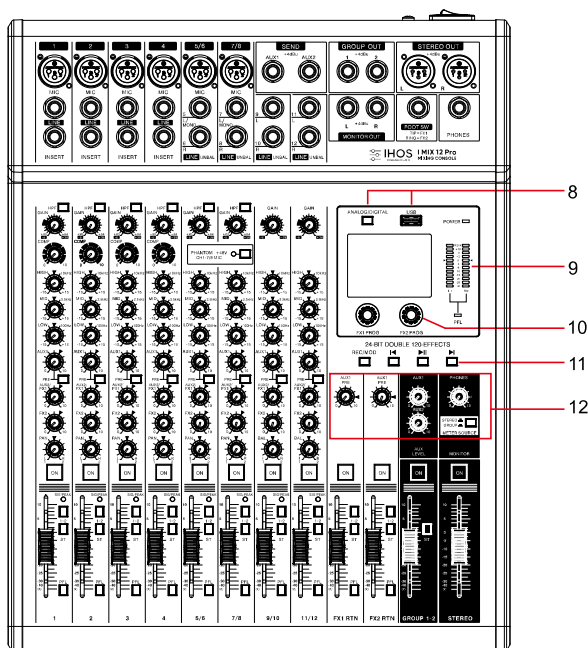
4. Send knob Area:  
 1) Blue Knob (AUX1 Knob): Volume knob for sending the channel signal to the AUX1 output bus.  
 The "PRE" button below is the pre-fader send switch; pressing it allows the channel signal to pass directly to the AUX1 output bus without being affected by the fader.  
 2) AUX2 & FX1 Knob: A shared knob for adjusting the volume of signals sent to the AUX2 output bus and FX1 (Effects Processor 1).  
 3) FX2 Volume Knob: Volume knob for sending signals to FX2 (Effects Processor 2)

5. EQ (Equalization) Adjustment Knobs  
 1. HIGH (High Frequency):  $\pm 15\text{dB}$  @ 10kHz  
 2. MID (Mid Frequency) :  $\pm 15\text{dB}$  @ 2.5kHz  
 3. LOW (Low Frequency):  $\pm 15\text{dB}$  @ 100Hz

6. Gain Adjustment Area:  
 1) HPF (High-Pass Filter) Button: Press to cut frequencies below 80Hz..  
 2) GAIN Knob: Adjusts the channel gain. If the input volume is still insufficient after maxing out the input fader, adjust this knob.  
 Adjustment range: +20 to +64dB.  
 3) COMP (Compressor) Knob: Adjusts compression level for Input Channels 1-4, with a range of 0-10.

7. +48V Phantom Power Switch: Press to activate 48V phantom power for Input channels 1-7/8 simultaneously.

# Control Panel Layout



## 8. Multimedia Area:

- 1) Analog/Digital Input Source Select Switch: 2-way switches between analog inputs (Ch11/12) and digital inputs (USB/Sound Card/Bluetooth).
- 2) USB Type-A Port: Used for flash drive music playback or 2x2 sound card connectivity.

9. Main Output and Monitor Level Indicators: Display the level of the Main Output Bus and the monitor level.

## 10. Display Area:

- 1) 2.8-inch HD Color Display: Shows input source switching information, BT (Bluetooth)/USB flash drive/USB sound card selection status, song details, and information for FX1 & FX2 effect buses (including effect types and effect libraries).
- 2) FX1 Knob: Selector knob for FX1 (Effects Processor 1) bus, supporting 9 effect types and 1-120 effect libraries.
- 3) FX2 Knob: Selector knob for FX2 (Effects Processor 2) bus, supporting 9 effect types and 1-120 effect libraries.

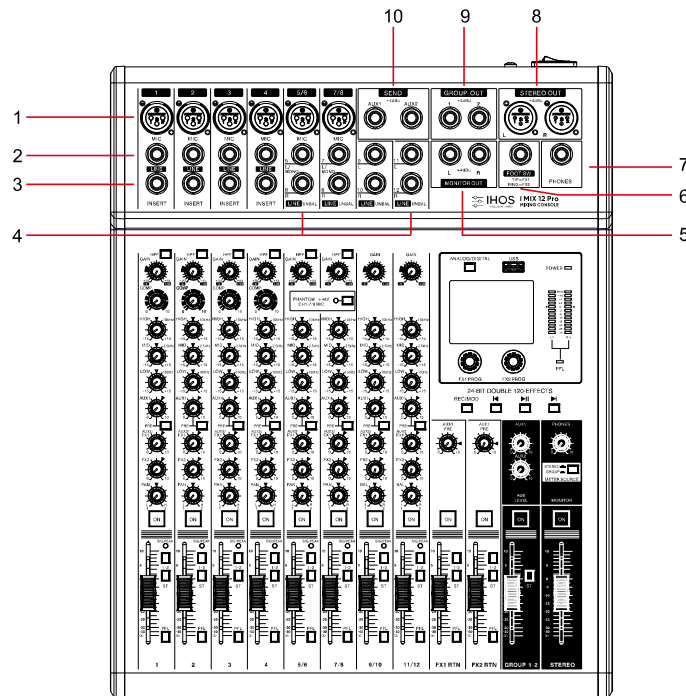
## 11. Multimedia Control Area:

- 1) REC/MOD Button: In USB flash drive mode (with USB inserted)
  - Short press (USB flash drive mode): Activates 2-channel stereo recording (records main output audio to the USB drive as MP3 files)
  - Long press: Switches between three digital signals BT (Bluetooth), USB flash drive, and USB sound card (3-way selection).
- 2) Previous Track Button: Switches to the previous track during Bluetooth or USB flash drive playback.
- 3) Play/Pause Button: Controls play/pause for Bluetooth/USB Flash drive playback
- 4) Next Track Button: Switches to the next track during Bluetooth or USB flash drive playback.

## 12. Auxiliary Output Control Area:

- 1) Two Blue AUX1 PRE Knobs: Adjust the volume of effect sounds from FX1 and FX2 buses sent to the AUX1 Output Bus.
- 2) Two Blue AUX1/AUX2 Knobs: Master volume knobs for the AUX1 and AUX2 auxiliary Output Buses.
- 3) PHONES (Headphone) Volume Knob: Adjusts the monitor headphone volume.
- 4) METER SOURCE Button: Selects whether monitor headphones default to monitoring the main output bus or auxiliary output bus when no specific channel is monitored.

# Interface Panel Layout



1. CH1-4 Mono XLR Balanced Mic Inputs: For signal input.
2. CH1-4 Mono TRS ¼-inch Unbalanced Line Inputs: For signal input.
3. CH1-4 INSERT Jacks: Insertion points for external effects processors or compressors, supporting bidirectional signal transmission.
4. Stereo Input Jacks: For stereo signal input, compatible with XLR balanced or TRS unbalanced connectors.
5. 1/4-inch TRS Stereo Monitor Outputs: Connects to monitoring systems, linked with PHONES (headphone) monitoring.
6. FOOT SW (Footswitch) Interface: 1/4-inch dual-channel TRS socket for external footswitch (control of effect muting). Wiring specs: 3-core cable  
Common terminal: Ground (shield)  
FX1 (Effect 1) mute: TIP (Top)  
FX2 (Effect 2) mute: RING (Ring)  
Both FX mute: Both ends are connected.
7. PHONES (Headphone) Jack: A dual-channel TRS ¼-inch socket for connecting monitoring headphones.
8. STEREO OUT (Main Output): XLR balanced output interface for connecting processors, main speaker amplifiers, or active speakers..
9. GROUP OUT Connectors (Group Output): TRS ¼-inch unbalanced output interface for connecting processors, fill speaker amplifiers, or active speakers.
10. SEND Connectors: AUX1 and AUX2 auxiliary output buses via TRS ¼-inch sockets. Used for external effects, stage foldback, broadcasting, recording and other auxiliary output functions.

## Product Specifications

Processing Channels	Input Processing Channels	Ch1-4: XLR / ¼-inch TRS (Combo) with INSERT Ch5-6, 7-8: XLR / ¼-inch TRS (Combo) Ch7/8: 4-way selection input (Analog/USB/ Sound card/Bluetooth)	Ch1-4: XLR / ¼-inch TRS (Combo) with INSERT Ch5/6, 7/8: XLR / ¼-inch TRS (Combo) Ch9-10, 11-12: ¼-inch TRS Ch11/12: 4-way selection input (Analog/USD/ Sound card/Bluetooth)
	Output Processing Channels	1× L/R main output (XLR) 1× ¼-inch headphone output 1× AUX output (¼-inch TRS) 1× MONITOR output (XLR) 1× Footswitch FX (¼-inch TS)	1× L/R main output (XLR) 1× ¼-inch headphone output 1× GROUP output (XLR) 2× AUX outputs (¼-inch TRS) 1× MONITOR output (XLR) 1× Footswitch FX (¼-inch TS)
	Internal Effects Processor	2 x effects buses with 9 effect types including: Reverb/Echo/Reverb+Echo/Chorus/Wah/Tremolo/ Distortion/Pitch/Flanger+120 effect processors preset parameters	
	COMP	Compressor (COMP) on Ch1–4Threshold:0 to 10	
	EQ	EQ:3 bands HIGH:10KHz, -15 to +15 MID:2.5KHz, -15 to +15 LOW:100Hz, -15 to +15	
	High Pass	High-pass: 80Hz, Low- pass: 400Hz ~ 20KHz	
Connectors	XLR Output Ports	2 ports	
	Headphone Output TRS Port	1 port, stereo	
	USB Port	1 port, 2×2 channel, 48KHz, UAC 2.0 protocol	
Input Characteristics	THD	LINE:0.72%(Gain=0dB and Output=0dBu,un-weighted) MIC:0.001%(Gain=0dB and Output=0dBu,un-weighted)	
	Frequency Response	20Hz~20KHz (+/-0.5dB)	
	Maximum Input Level	+27dBu	
	Output Impedance	75Ω	
	Background Noise	-63dBu(Gain=0dB)	
Monitor and Headphone Characteristics	Output Impedance	< 50Ω	
	Maximum OutputLevel	+20dBu	
	Background Noise	-80dB (Gain = 0dB)	
Digital I/O	Digital I/O	Bluetooth/ USB	
		USB 3.0Playback Formats: MP3, WAV, FLACRecording Format: WAV	
General	Display	2.8-inch color LCD	
	Motorized Faders	9/12 High-Quality 60mm Faders	
	Power	AC 100~240V 50/60Hz Input	

## Product Specifications

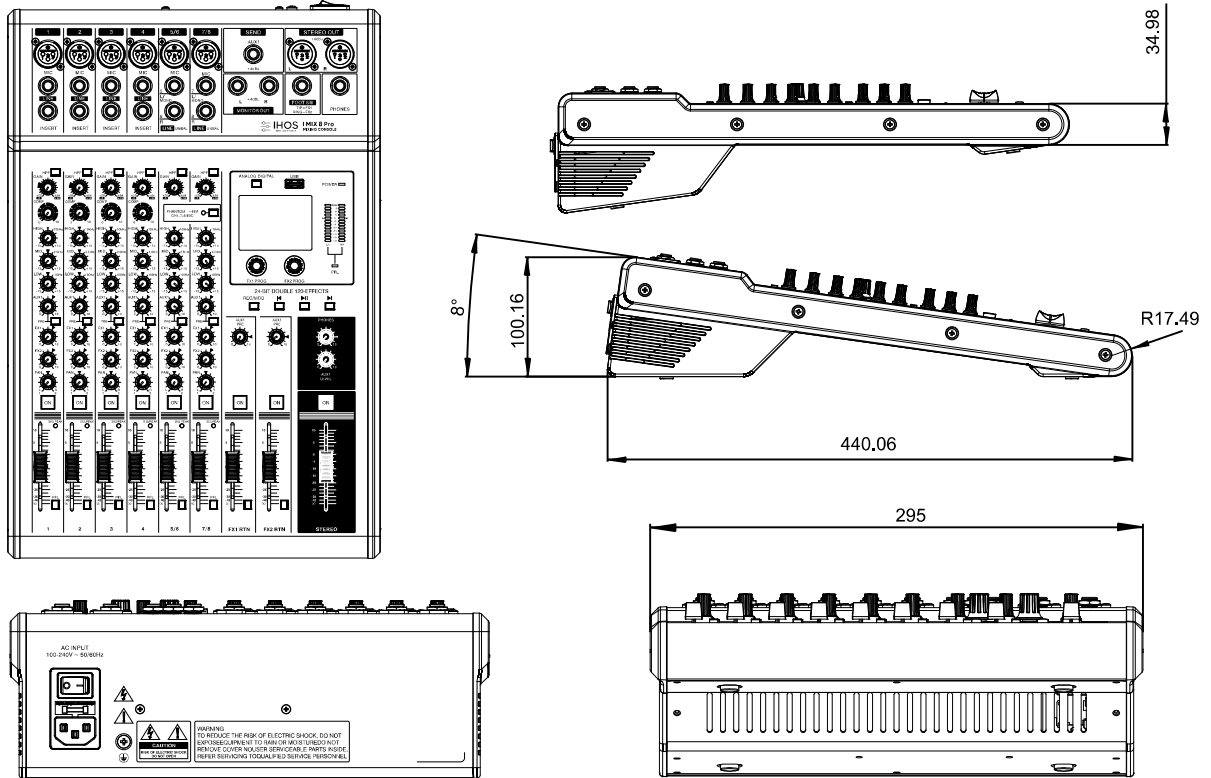
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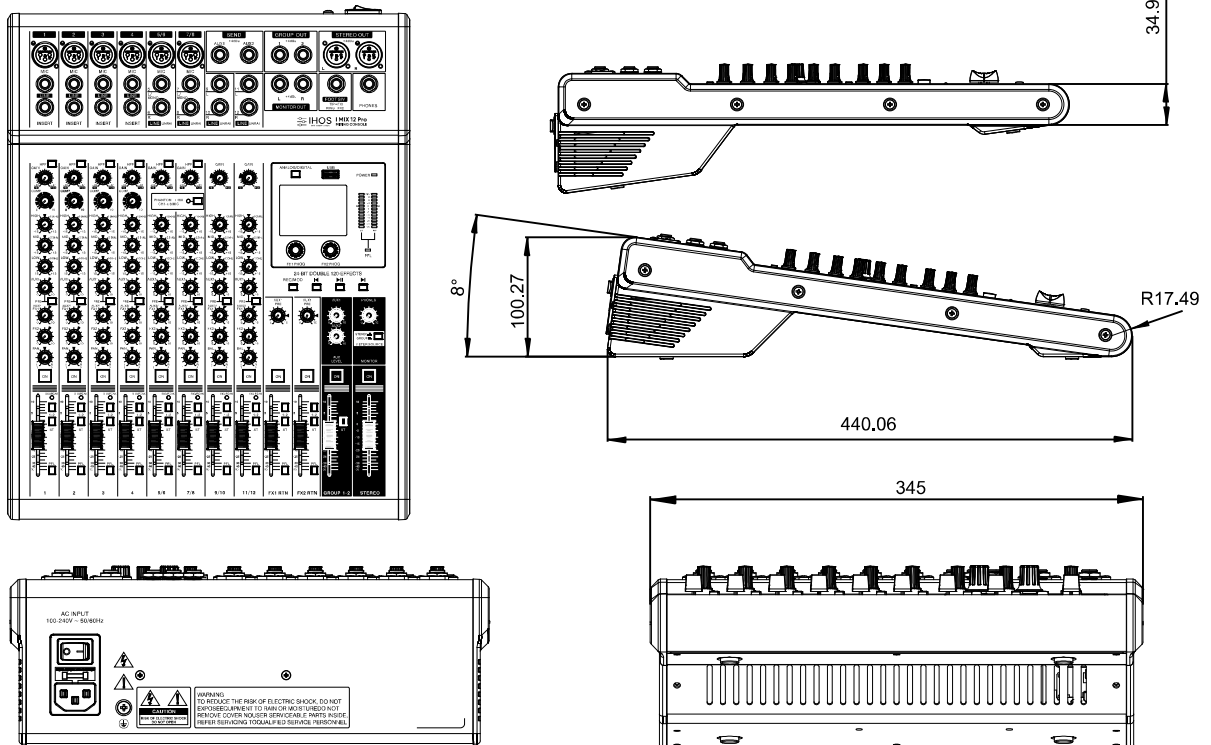
Hardware	Power Consumption	50W	
	Operating Temperature	-10°C~40°C	
	Dimensions	Desktop (Unit): 295 x 440.06 x 100.16 mm Packaged (Carton): 360 x 515 x 175 mm	Desktop (Unit): 345 x 440.06 x 100.27 mm Packaged (Carton): 395 x 515 x 175 mm
	Weights	N.W:4.1kg; G.W:5.5kg	N.W:4.7kg; G.W:5.7kg
	Accessory	Power Cable	

# Product Dimensions

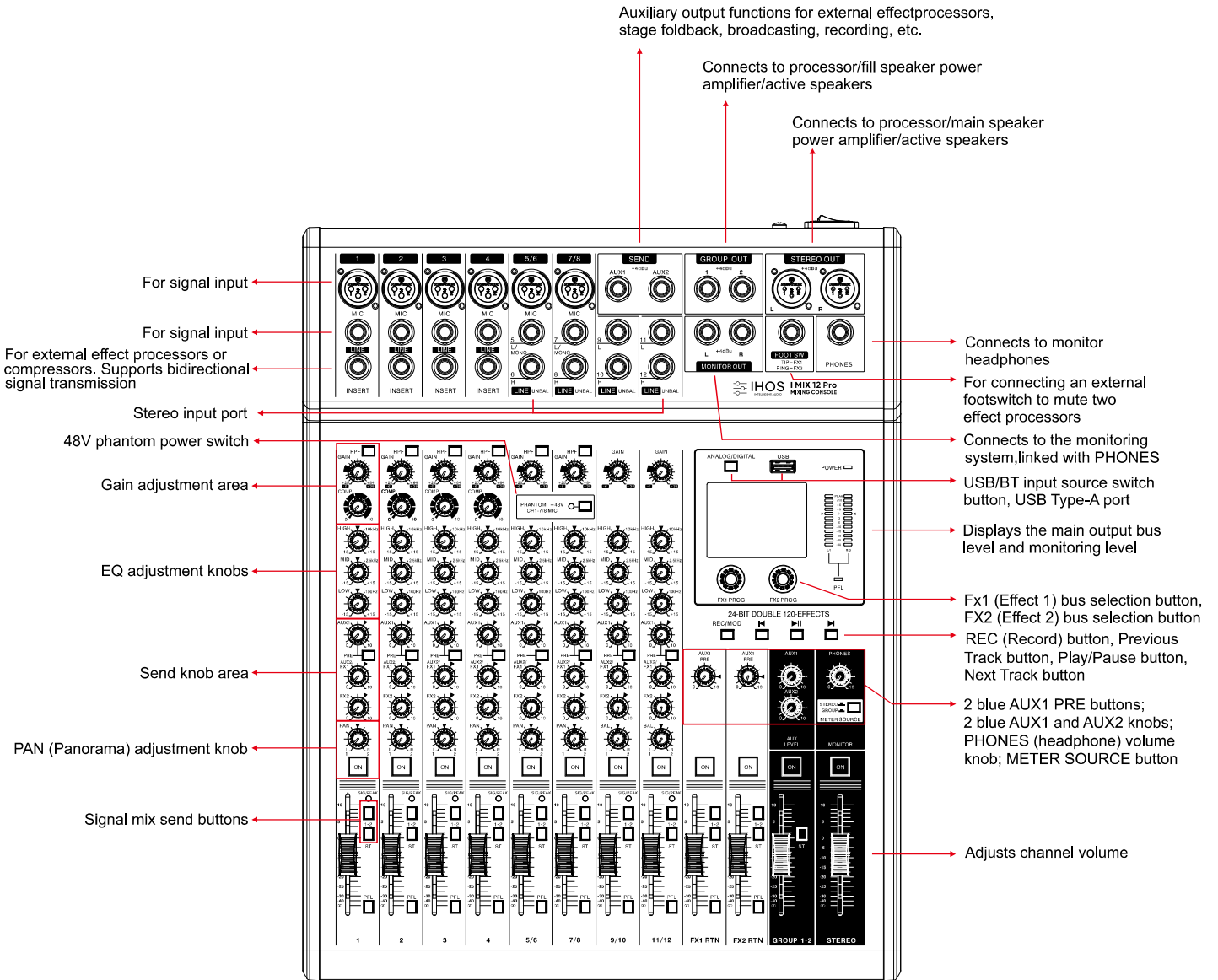
Product Dimension Diagrams



Product Dimension Diagrams



# Interface Diagram



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Attention  
To reduce the risk of fire or Electric Shock,  
Do not expose this apparatus to rain or moisture!

