

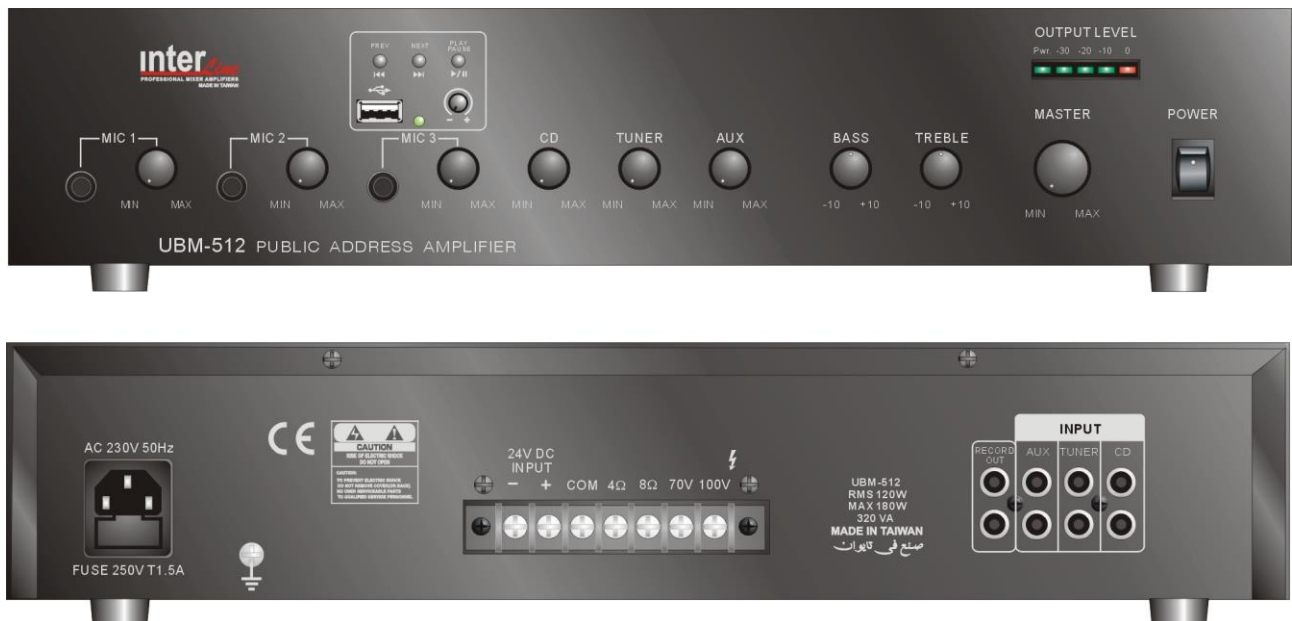


USER MANUAL

UBM-508

UBM-512

MIXER AMPLIFIER



1. Security Precautions

- ◎ **READ** the instruction in this manual before use.
- ◎ **OBSERVE the INSTRUCTION** in this manual regarding convention of safety symbols and messages
- ◎ Please **KEEP** this user **MANUAL** for future reference.

Safety symbol and Message Conventions

Following safety symbols and messages are to prevent injury and property damage. Before operating the amplifier, read this manual first to understand the potential safety hazard and understand the meaning of the safety symbols and messages.

 WARNING	Indicates a potentially hazardous situation, which, if mishandled, could result in death or serious body injury, and/or property damage.
 CAUTION	Indicates a potentially hazardous situation, which, if mishandled, could result in moderate or minor body injury, and/or property damage.



■ When Installing the Amplifier

- **DO NOT** install or mount the amplifier in unstable locations, such as on slanted surfaces. It may result in the amplifier falling down and causing body injury and/or property damage.
- **Be sure to ground** to the safety ground (earth) terminal to avoid electric shock. Never to ground to a gas pipe or tragic disaster may occur.
- Use the amplifier only with the voltage specified on the amplifier. Using the voltage higher than specified may cause fire or electric shock.
- **DO NOT** cut, twist, damage, nor modify the power supply cord. In addition, avoid using the power cord close to heaters, and don't place heavy object, including the amplifier itself, on the power cord, for it may cause fire or electric shock.
- **DO NOT** expose the amplifier to rain or the environment where it may be splashed by water or other liquids, for doing so, it may cause fire or electric shock.

■ When using the Amplifier

- When found following irregular situation during amplifier is in use, immediately switch off the power, disconnect the power supply plug from the AC outlet. Don't try to operate the amplifier again. Contact your local dealer to check the amplifier.
 - ✓ The amplifier falls.
 - ✓ Amplifier is malfunction.
 - ✓ Water or any metallic object gets into the amplifier.
 - ✓ The smoke or strange smell coming from the amplifier.
 - ✓ The power supply cord is damaged, such as exposure of the cord, disconnection etc..
- **DO NOT** put cups, bowls, or other containers with liquid or metallic object on top of the amplifier. If it spill into the amplifier, it may result in fire or electric shock.
- **DO NOT** touch the power supply plug during thunder and lightning, for it may result in electric shock.
- **DO NOT** insert or drop metallic objects or flammable materials into the ventilation slots of the amplifier, for it may result in fire or electric shock.
- **DO NOT** open nor remove the amplifier cover to prevent fire or electric shock, for there are high voltage components inside the amplifier.



■ When Installing the Amplifier

- **DO NOT** remove nor plug in the power supply plug with wet hands, for it may cause electric shock.
- When unplug the power supply cord, be sure to grasp the power supply plug. **DO NOT** pull on the cord itself. Operating the amplifier with damaged power supply cord may cause fire or electric shock.
- **Avoid** installing the amplifier in humid or dusty places, the area exposed to the direct sunlight, locations generating smoke or steam, or the spot near the heaters. It may result in fire or electric shock.
- When moving the amplifier, be sure to remove its power supply cord from the wall outlet. Moving the amplifier with the power cord connected to the outlet may cause damage to the power cord, and resulting in fire or electric shock. When removing the power cord, be sure to grasp its plug to pull.
- **DO NOT** block the ventilation slots of the amplifier chassis. It will cause the temperature to rise and result in fire.

■ When Using the Amplifier

- Make sure that the volume control is turned to minimum position before power is switched on. Loud sound produced at high volume when power is switched on may impair hearing.
- **DO NOT** place heavy objects on the amplifier, for it may fall and may result in body injury and/or property damage. Besides, the object itself may cause damaged or body injury.
- **DO NOT** operate the amplifier for the extended period of time with the sound distorting. It is an indication of malfunction, which can cause heat and result in fire.
- Switch the power off, and unplug the power supply plug from the AC outlet for safety purposes, when cleaning or leaving the amplifier unused for 7 days or more. Fire or electric shock may occur.
- If the dust accumulates on the power supply plug or in the wall AC outlet, fire may result. Clean it periodically. In addition, make sure the plug is inserted in the wall outlet securely.

2. Description

UBM-5xx is economical mixer amplifiers designed for up to 3 microphones plus 3 line-in (CD, Tuner, and Aux), total 6 inputs application.

Each microphone input and line-in input has its own volume control. The microphone inputs are at the front panel. It is convenient for the user to use. Besides, there are 1 Master control of output volume, and 2 tone controls: Bass and Treble.

The speaker output connection covers low impedance 4 ohm and 8 ohm, and high level 70V and 100V screw terminal. Choose only one of these output connections to match the speaker. Furthermore, the amplifier also has one record output for the demand of recording.

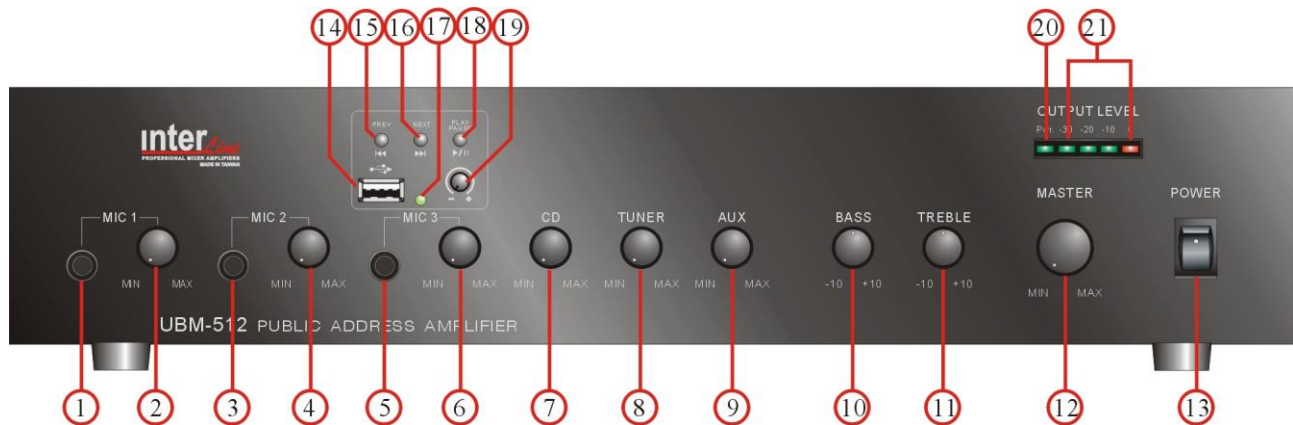
To ensure the amplifier safety, it has speaker short, over temperature, and over load protection.

Besides AC power source, both 2 mixer amplifiers also accept DC 24V input power source from the battery.

UBM-5xx mixer amplifier is ideal and economic model for the application of multi-input.

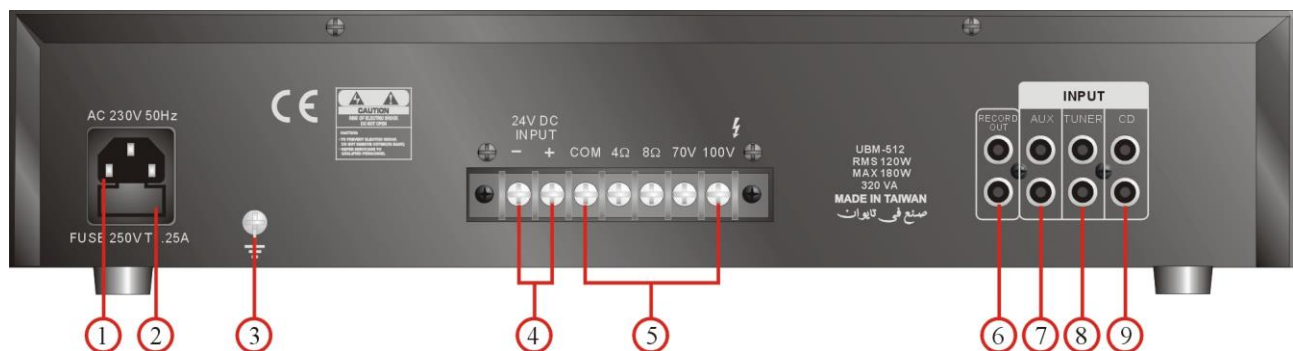
3. Panel Description

FRONT PANEL



1. Mic. 1 Input	8. Tuner Volume Control	15. Previous Tracks
2. Mic. 1 Volume Control	9. Aux Volume Control	16. Next Tracks
3. Mic. 2 Input	10. Bass Control	17. Loading Indicator LED
4. Mic. 2 Volume Control	11. Treble Control	18. Play / Pause
5. Mic. 3 Input	12. Master Volume Control	19. USB Volume Control
6. Mic. 3 Volume Control	13. Power Switch	20. Power Indicator - LED
7. CD Volume Control	14. USB Socket	21. Output Level Indicator

REAR PANEL



1. AC Power Input Socket	6. Record Output
2. AC Fuse	7. Aux Input (RCA Jack)
3. Grounding Connection Screw	8. Tuner Input (RCA Jack)
4. DC 24V Power Supply Terminals	9. CD Input (RCA Jack)
5. Speaker Output Terminal Low Impedance Output 4Ω , 8Ω . High Level Output 70V, 100V.	

4. Features

- Multi-input Mixer Amplifier
- Up to 3 microphones
- MIC 1 with mute function
- 3 line-in input sources: CD, Tuner, and AUX
- Individual volume control of each input
- Master volume, Bass, and Treble control for the output.
- Overload, over temperature, and speaker short protection.
- 4 ohm, 8 ohm, 70V and 100V output
- Record output
- AC or DC power in
- 2U height
- 19" rack mounted or table top.

5. Power Source

- **AC Power Source**

The supply transformer has been designed for use AC 230V 50 Hz.

- **DC Power Source**

Battery Connection (DC 24V)

When using external batteries, ground the amplifier via the screw terminal. (Electrical stability of the system will be improved by providing a good earth ground.) When connecting batteries, please ensure correct **+** - polarity.

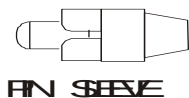
6. Connection

- **Microphone Connection**

Mic1~3 inputs are 1/4" phone jack.

- **CD, Tuner, and Aux Connection (Input)**

The equipment provides 3 auxiliary inputs, which are CD source, Tuner source, and Auxiliary input. All are dual RCA jack and has a built-in stereo to mono converter.



RCA plug connector

● Output Connection

The output terminal is on the rear panel. The terminal connection can connect low impedance 4 ohm or 8 ohm, or high-level 70V or 100V speaker. Use only ONE of these output connections for corresponding speaker.

● Record Output Connection

If there is demand of recording, connect the input of the recorder to the record output on the rear panel of the amplifier.

7. Operation

After all connections are completed, turn master volume control at proper position (not at maximum position). Thereafter turn all line-in input volume controls at proper position. Then, switch on the power switch. If necessary, turn the bass, treble, and volume control to what you desire.

Before using the microphone, make sure the corresponding volume control of MIC is at proper position (not at maximum position). If necessary, adjust the MIC volume further.

Note: When MIC 1 is using, the speaking voice will **mute other input signal**.

8. USB Operation

Play/ Pause : Press to start and interrupt playing.

Press for 3 seconds to random.

Next : Short press to next track.

Press for adjusting the volume to increase.

Prev : Short press to backward to previous track.

Press for adjusting the volume to decrease.

LED : Slow flash is normal play.

Fast flash is random play.

9. Technical Specification

Type	Mixer Amplifier	
Model	UBM-508	UBM-512
Output Power:	80W (RMS)	120W (RMS)
Supply	Main Voltage	AC 230V 50 Hz
	Battery Voltage	DC 24V
Outputs	4Ω, 8Ω, 70V, 100V	
Record Output	1V@100Ω	
Frequency Response	50Hz ~ 15KHz	
Inputs Impedance	Mic 1~3 : 600Ω unbalanced. CD/Tuner/AUX :10KΩ unbalanced	
Input Sensitivity	Mic 1~3 : 1.5mV CD/Tuner/AUX : 200mV	
Mute Priority	Mic 1	
Tone Controls	Bass : 100Hz ± 10dB Treble : 10KHz ± 10dB	
Total Harmonic Distortion	≤1% @ 1KHz, rated power	
Signal to Noise Ratio	> 80dB	
USB Host Format	MP3, WMA	
AC Power Consumption	160W	320W
DC Power Consumption	5A	10A
Dimensions (HxWxD) mm	88 (H) x 425 (W) x 275 (D) mm	
Weight	8 Kgs	9 Kgs
Mounting options	Table top or 19" rack mountable	

WARNING: THIS APPLIANCE MUST BE EARTHED



المستورد: جنفياف للاستيراد