adertech

MPAMP-6120
MPAMP-6240
MPAMP-6350
MPAMP-6500

6-Zones Multifunctional Mixer Amplifier Series with Media Streaming Player



USER manual

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1. Introduction

Aberman MPAMP-6xxx series are 6 zones mixer power amplifiers which offer high quality audio amplifying for professional and commercial use. Streaming 6 Zone Amplifier delivering 120W to 500W output with Bluetooth and streaming capability. Controlled from an Android or iOS smart phone, the module is compatible with freely available apps to stream music and podcasts directly from a network. Embedded radio offers high quality digital audio from almost any online radio station or podcast available worldwide. Subscription services can store online playlists which can be cast directly from the without requiring the smart phone to be connected to the network .Wireless streaming of tracks and playlists stored on the smart phone can be sent from within the app or directly via Bluetooth to the amplifier. In addition, the Streaming Amplifier has inputs for USB and TF card for playback of stored tracks. The Streaming Amplifier provides a versatile "hands off" background music solution for continuous playback of music from services or a choice of other sources for bars, cafes, restaurants, reception areas and house parties. The Streaming 6 Zone Amplifier support multiple zone or multiple room of different music, while it also supports multiple mobile to remote control over , so remote volume and music control is easy for both commercial or home audio applications. It is all in one solution with three sources, pre amplifier and mixer power amplifier into one 19" 2U height unit, which is economy but of high reliable performance. It integrates 3 audio sources into a mixer amplifier, plus Mic1(6.3mm) and Mic/ Line input 2-4 (XLR), two line inputs, one EMC input and one RJ45 input for 6 zone remote paging microphone. Mic1 VOX with highest priority except EMC input. One USB and one SD slots on front provide easy access and operation for installer and end-user. The amplifier is design with complete protection of overload, short circuit and high temp to avoid any damage. These amplifiers are suitable for applications in bank, mosque, school, hotel, restaurant, theme centers and shopping center.

2. Features

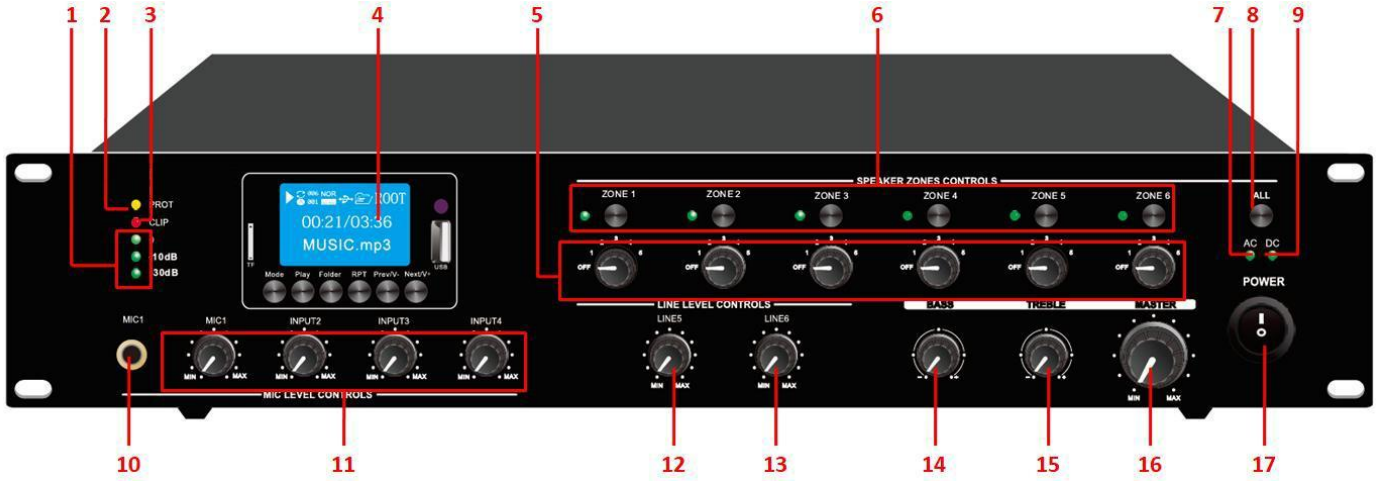
- 19"rack mount Streaming amplifier of 2U height
- Streaming 6 zone mixer amplifier with Mp3 player, FM radio & Bluetooth.
- Compact mini size Streaming amplifier
- Tabletop mixer amplifier with Mp3 player, FM radio & Bluetooth
- streaming amplifier with smart phone control
- Free Legacy Player app for Android or iOS
- Support Spotify, DLNA, Airplay, iRadio and any online radio stations
- Support multiple zone or multiple room of different music
- Support multiple mobile to remote control over
- With LAN port and WPS to reset address
- Rated outputs of 120W, 240W, 350W to 500W depending on model
- 6 zone speaker outputs of 100V & Single zone 100V/70V/4- 16 Ohm speaker outputs
- Built-in media player with MP3/USB/FM tuner/Bluetooth, Mic1 input 6.3mm jack of VOX highest priority
- Mic/Line input 2-4 balanced XLR with mic/line switch and +48V phantom power selector
- Line 4-5 inputs on rear panel by RCA, EMC input by RCA on rear panel of secondary priority except MIC1

3. Package Contents

1x Mixer Power Amplifier Unit
1x AC Power Cord
1x Quick Start Guide

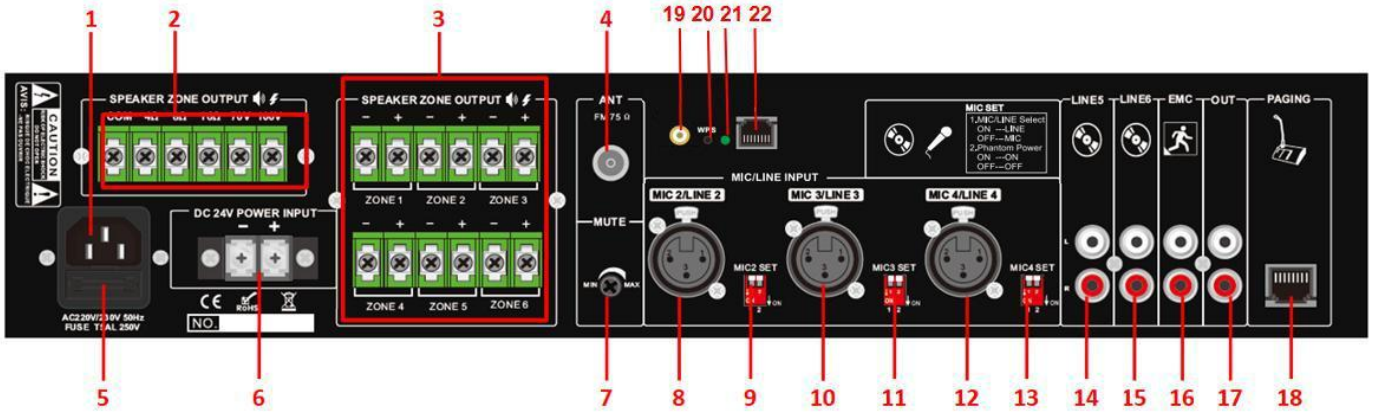
4. Unit's interfaces

4.1 Front Panel



N	Function	N	Function
1	Protection Indicator	10	Mic1 Input, VOX priority except EMC Input
2	Clip Indicator	11	Mic1 and Input2-4 Attenuators
3	Output Level Meters	12	Line 5 Attenuator
4	Mp3/FM/Blue tooth media player module	13	Line 6 Attenuator
5	Speaker Zone1-6 Output Volume Attenuators	14	Bass
6	Speaker Zone1-6 Selectors with Indicators	15	Treble
7	AC Power indicator	16	Master Volume Control
8	All Speaker Zone Selector	17	AC power switch
9	DC Power indicator		Power indicator

4.2 Rear Panel



N	Function	N	Function
1	AC Power Socket	12	Mic/Line 4 Input
2	Single zone output of 100V/70V/4-16 Ohm	13	Input 4 Mic/Line Selector (48V phantom)
3	Speaker Zone 1-6 Outputs of 100 volt	14	Line 5 Input
4	FM Antenna	15	Line 6 Input
5	AC Fuse	16	EMC Alarm Input with Highest Priority
6	24V DC Power Input	17	Line Output to External Amplifier
7	MIC1 VOX Mute Attenuator	18	RJ45 Input for Zone Paging Microphone
8	Mic/Line 2 Input	19	WiFi Antenna
9	Input 2 Mic/Line Selector (48V phantom)	20	WPS button
10	Mic/Line 3 Input	21	Status Indicator
11	Input 3 Mic/Line Selector (48V phantom)	22	LAN port of RJ45

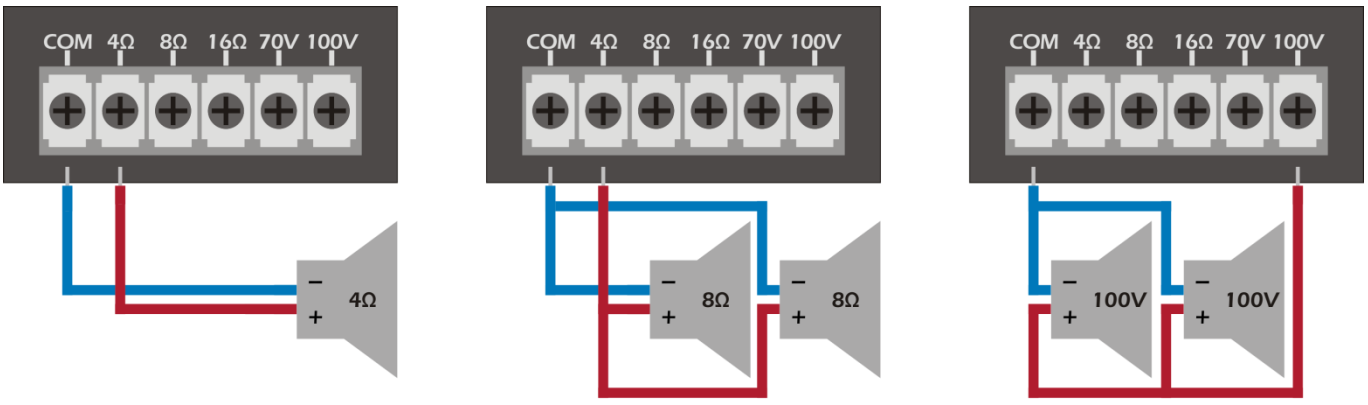
4.3 External connection

Please be careful and accurate when connecting sources and speakers to the amplifier. The wrong connection may affect not only to audio quality, but may cause abnormal working mode and damage equipment. Check connection guidance and schemes below.

Connecting of speakers

Amplifier allows connecting for low and high impedance speakers to its output terminals. These terminals are offering three different low voltage outputs: 4Ω, 8Ω and 16Ω, use it depending on your speaker intendance and connecting combination. Transformer outputs for high voltage (70V, 100V) operation mode are also available. Please note that one wire only should be connected to COM pin and one wire to the selected impedance or voltage pin.

Four different types of connections are provided. The low impedance section: 4Ω, 8Ω, 16Ω is designed for a small amount of speakers to be connected to your amplifier. The 70V/100V section is especially designed for a multiple speaker distribution. When using the 70V/100V output, speakers have to be equipped with 70V/100V transformer. The maximum amount of speakers to be placed on your distribution line is in relation to the power allocated to each speaker. The total wattage set on the secondary side of the transformers on your speaker line must not exceed the maximum RMS output power: 30W, 60W or 120W. Ignoring it to respect this may cause permanent damage to the amplifier.



Single 4Ω Speaker
Total load 4Ω

Two 8Ω Speakers in Parallel
Total load 4Ω

Two 100V Speakers in Parallel
Total load depends on taps

NOTE: **Never connect 70V or 100V and low voltage (4, 8, 16Ohm) speakers to the one channel at the same time. Never connect low impedance speakers to high impedance output or visa-versa. Never short output terminals!**

Connecting 100V Line

For 100V line systems, connect the amplifier to the first speaker in the system using double-insulated speaker wire which has adequate current rating to handle the total output of the amplifier.

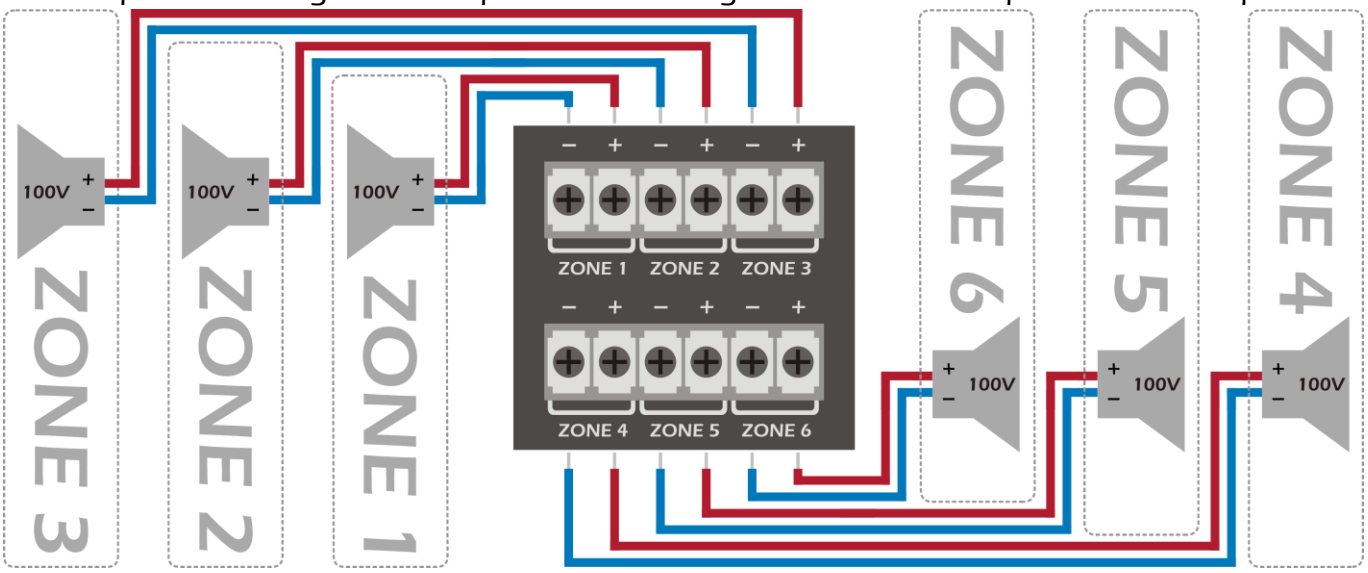
Connect the "100V" output terminal to the positive (+) connection of the speaker and "COM" output to the negative (-) connection of the speaker. Connect further speakers in parallel to the first speaker with all positive terminals and connected together and all negative terminals connected together as shown below.

A 100V line speaker system can comprise of many speakers connected together. The determining factor for how many speakers can be used on a single amplifier is the power rating. For most purposes, it is advised to connect as many speakers as needed with a combined wattage of no more than 90% of the amplifier output power rating.

The terminals of a 100V speaker are connected to a transformer and in some cases, this transformer may be "tapped" for different power ratings. These taps can be used to adjust the wattage (and output volume) of each speaker in the system to help achieve the ideal total power of the system for the amplifier. Always read speaker manual and check correct taps configuration on each speaker before power the amplifier.

Connecting Zone Outputs

The mixer amplifier is featured of 6 speaker zone 100V outputs, either one of six zone or total six zone power loading shall be equivalent or no higher than the rated power of the amplifier.



4.4 Operation Steps

When all connections to the amplifier are made, turn all rotary controls down and switch on the power and a power "ON" LED will illuminate. Turn BASS and TREBLE controls to the 12 o'clock position (pointing straight up) and turn MASTER rotary control up part way for testing.

Ensure a signal is being fed to one of the line inputs 1, 2, 3, 4, 5, 6 or 7 and gradually increase the volume control for that channel until the output is heard through the speakers. Turn up the MASTER to the maximum required volume level and reduce the channel volume control if necessary.

NOTE: The initial test can be made using the built-in USB/SD/FM audio player. The output of the amplifier is represented on the level meter LEDs and care should be taken that the Red "0" LED is only lit momentarily during use. Anything longer than a short flash of this LED may be indicating distortion or clipping of the output signal and the MASTER should be turned down.

If a microphone is connected to MIC2-4 input, make sure it is switched on and if it requires phantom power, make sure this feature is enabled. Gradually increase its volume control whilst speaking into the microphone until the required volume level is reached. The microphone should not be able to "hear" the speakers, which can cause feedback (squealing or howling noise).

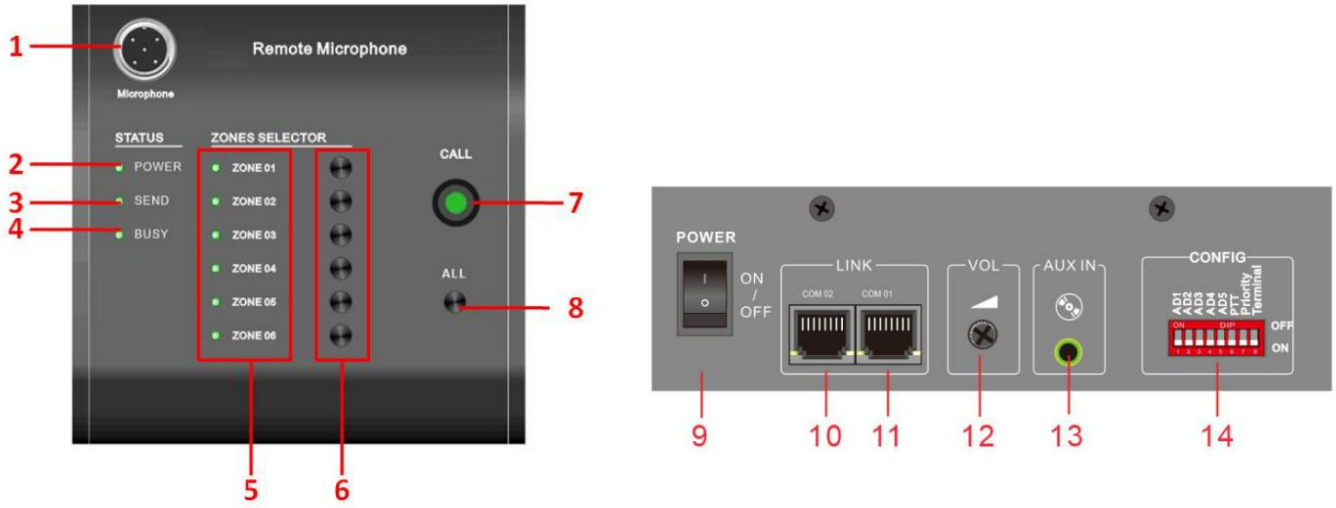
If the VOX feature is enabled, audio playback through channels 2-6 will be reduced in volume automatically when speaking into MIC 1, use its attenuator to increase or decrease the mute level.

In addition to channel and MASTER volume controls, there are BASS and TREBLE EQ controls to adjust the tone of the overall output. At the 12 o'clock position, these controls are applying no effect to the signal (no boost or cut). Moving the BASS control clockwise boosts the low frequencies in the audio, whilst moving it anticlockwise will cut these low frequencies. Likewise, moving the TREBLE control clockwise boosts the high frequencies in the audio, whilst moving it

anticlockwise will cut these high frequencies. Adjust these EQ controls to suit the type of audio signal or compensate for the room acoustics.

4.5 Remote Paging

System allows using paging stations to make announcements and other voice notes. A remote paging microphone work with series amplifier, which is of 6 zone paging features, its communication distance up to 200 meters through straight CAT6 cable, each amplifier capacity of connection up to 10 units of remote paging microphone, these microphone are connected hand-by hand. These 6 remote paging microphones could be pre-set different priorities by its dipswitch. The remote paging microphone is direct power supplied by the amplifier.



N			Function
1	Gooseneck microphone connector	8	All speaker zone 1-6 selector
2	Power indicator	9	Power switch
3	Send or working indicator	10	RJ45 port to cascade another microphone
4	Busy indicator	11	RJ45 port to connect to MPAMP amplifier
5	Speaker Zone 1-6 indicators	12	Microphone volume control
6	Speaker Zone 1-6 selectors	13	Aux input
7	Call or talk button	14	Priority & Mic ID dip-switches

Configuring Address, PTT mode, Priority and Line Termination

Address

The dip –switch from 1 to 5 corresponds to the address in binary code. The upper position equals to zero while lower position equals to 1. For example, all (1-5) switches up means 00000 and all (1-5) switches down means 11111.

PTT

When switch 6 set to down position it means open the PTT (Push-to-Talk) function.

Priority

When switch 7 set to down position it means open priority function.

Line Termination

When switch 8 set to down position it means active line termination. It should be set on the last unit in line or if only one paging station is being used.

4.6 Media Player Operation



N			Function
1	TF card input	9	Play
2	LED display	10	Folder
3	IR sensor	11	RPT repeat
4	USB input	12	Previous & volume- decrease
5	Mode to select MP3/BL/FM	13	Next & volume + increase

The mixer-amplifiers are built-in a built-in media player which includes Mp3/FM/Bluetooth. Pressing the Mode button to switch the media player among Mp3/FM/Bluetooth according to the LED display, where there is one IR remote control enable to operate the media player remotely around 10 to 30 meters, this media player output volume control also could be controlled by the "TEL" volume knob.

Bluetooth

The Bluetooth function allows connection of a smart phone or tablet to the media player section for playback of stored files or streamed digital audio. In order to enable this function, it will be necessary to pair the sending device to the receiver as follows:

1. Open the Bluetooth settings menu on the smart phone or tablet (or other sending device).
2. Scan for Bluetooth devices and look for it in the list of available devices (ensure that the amplifier is powered on and within 30-50 meters reception range).
3. Select the blue tooth and the sending device should confirm that it is connected as an audio device.
4. Play audio from the sending device, ensuring that volume controls are not turned down/muted.
5. Turn up the MEDIA volume control on the amplifier to the required level.

If the Bluetooth signal is lost, it may be necessary to re-select the Bluetooth on the sending device.

The Previous, Next and Play/pause buttons will operate in Bluetooth as remote playback controls. Holding the Previous track or Next track buttons will adjust the output volume of the player.

USB/SD Playback

Push a USB pen drive into the USB port and/or an SD card into the SD card input.

Press the CD/USB/SD button to ensure that the player is set to play from the required memory device. Press the PLAY/PAUSE button to play the current track and press again to pause as needed.

Searching and playback of tracks is the same as described above for the CD player

FM Tuner

Press the FM select button to switch to the FM tuner function. Use the Previous or Next buttons to select a stored channel.

Tuning and storing stations:
Use the Forward/Reverse seek buttons to manually tune the frequency in steps of 0.05MHz
Alternatively, press and hold the Forward/Reverse seek buttons to auto search for available stations.
Upon finding a station, the auto search will stop, giving the option to store this station.
At this point, pressing the PLAY/PAUSE button will flash a "00" channel number in the display.
Use the Previous/Next buttons to select an appropriate channel memory.
Press PLAY/PAUSE again to confirm and store the station into the selected channel memory.
Auto search can be stopped at any time by pressing the Forward/Reverse seek buttons.

Music on Hold

This output will feed music on your telephone system or PABX for people waiting to be answered. A dedicated input should be available on your telephone system. Please refer to a qualified technician if you can't identify this input. Outgoing signal should be connected to G and H.

Telephone Paging Input

This special TEL input will allow you to page in your PA system using your own telephone set or PABX system. At the end of the announcement, the system will return to its normal operation. The telephone paging input with priority except EMC (fire alarm) input. Final volume adjustment will be made with the Tel Paging volume control located on front panel.

4.7 Remote Application Usage

Important Notes & Troubleshooting Tips of Wi-Fi Connection

- Please ensure you carefully read and understand all system instructions and functions to allow for optimum performance & safe operation.
- RESTORE DEFAULT SYSTEM SETTINGS: Press and hold down the WPS button for ~15 seconds to restore the unit to factory settings. (Any saved wireless networks will be forgotten and you will be able to re-establish and reconfigure new wireless connections). (Please pay more attention: If the same mobile phone has finished the first wireless connection, then no need to press WPS button again.)
- Ensure all speaker and power wires/cables are connected securely.
- Before establishing any type of wired or wireless connection, ensure the unit is powered on.
- Blinking/flashing indicator lights indicate the receiver is ready for connection – with regard the designated connection method.
- Once an indicator light stops blinking and remains solid, a successful connection has been established.
- The unit may fail to successfully establish a connection if the surrounded area is populated with multiple neighboring networks. If possible, deactivate neighboring networks or re-locate the wall plate receiver to an area free of networks.
- The 'MUZO Player' App is available for download on iOS and Android devices. Download and install the app before attempting to make any type of wireless connection.

The Muzo Player App



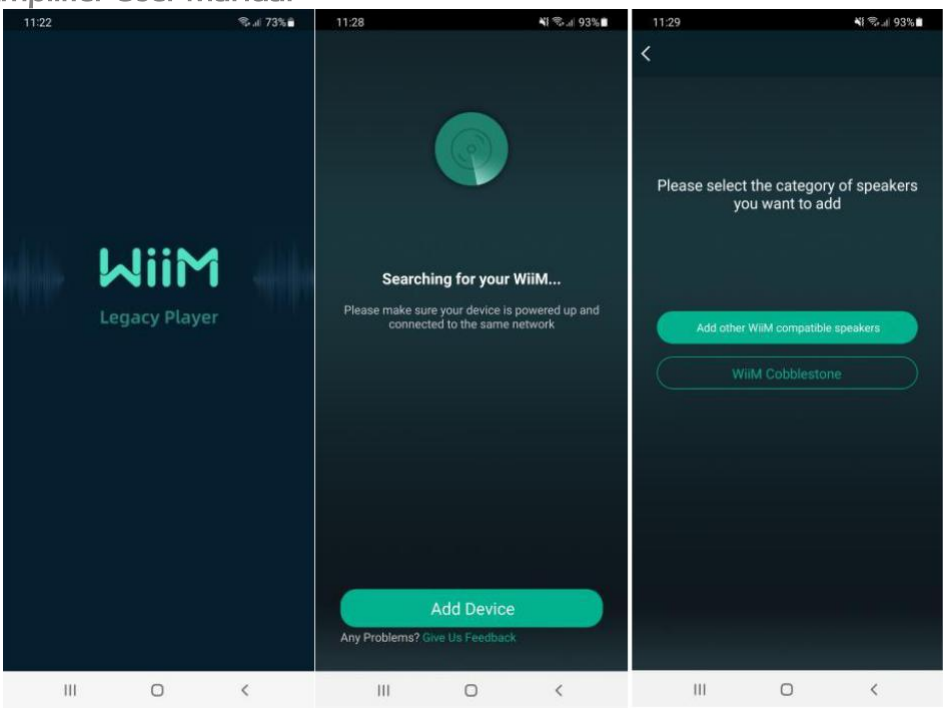
- Conveniently Access Your Music Library
- 'Multi—Room Mode' Connects Multiple Devices & Rooms
- Compatible with Spotify, iHeartRadio,Tidal,TuneIn & More
- Available for iOS and Android
- Free to Download

Smart Phone & Setup

On your smart phone, download the Legacy Player application by Linkplay Tech.
For iOS devices, download the Legacy Player app from the App Store.
For android devices, download the Legacy Player app from the Google Play Store.

If your router has a WPS feature, pressing this and then a short press of the WPS button on the amplifier can link to your local network, making setup easier.
Otherwise, follow all steps below to connect your smart phone and amplifier to the wireless network. Open the Legacy Player app and the welcome screen will be followed by a Searching screen.

If the amplifier has already been connected to the local , the Searching screen will confirm that it has found 1 or more devices. The app will then jump to the Device List page (shown in following pages)



If the amplifier is not detected, select Add Device.
The next screen asks for the category of speakers to be added.
For the amplifier, select WiiM Cobblestone.

Local Connection

Once WiiM Cobblestone is selected, a further screen will instruct to search and connect to "Linkplay_XXXX", as shown opposite. In the case of the amplifier, the correct ID to search for will be Linkplay_ XXXX where XXXX is the ID number of the amplifier.

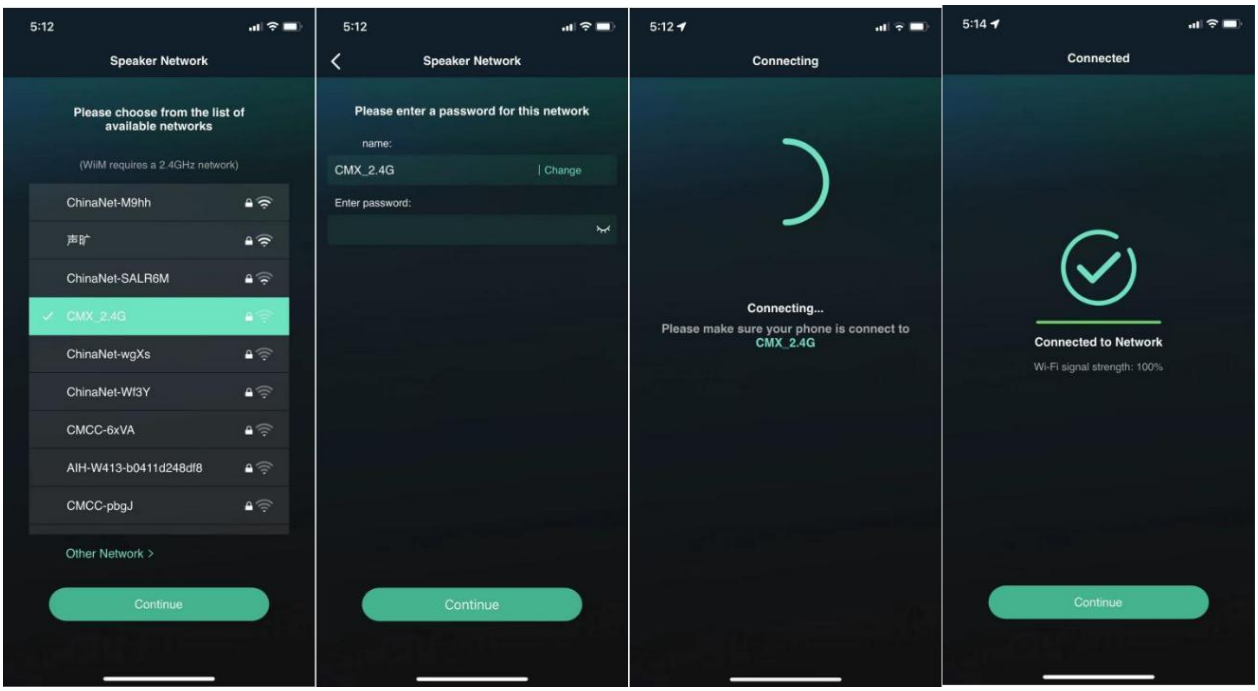


Select Settings to go to the in-app settings menu.
In the settings menu, all available access points within wireless range will be displayed.

Look for Linkplay_XXXX and select it for connection. The smart phone will release any current connection and attempt to connect directly with the amplifier.

If there is any difficulty connecting or if the amplifier is not appearing as a device to connect to, briefly press the WPS button on the front panel.
When successfully connected, will be without access.

Select < at the bottom of the screen to return from the settings menu back to the Legacy Player app and the next screen will ask to connect the amplifier to the local network.
The Speaker Network screen will normally show default network that the smart phone was connected to before, but there is an option to Change if a different one is preferred. Enter the password as required and select Continue
NOTE: the must operate on the standard 2.4GHz band for the amplifier to join the network.
The amplifier and smart phone will now begin the connection process.

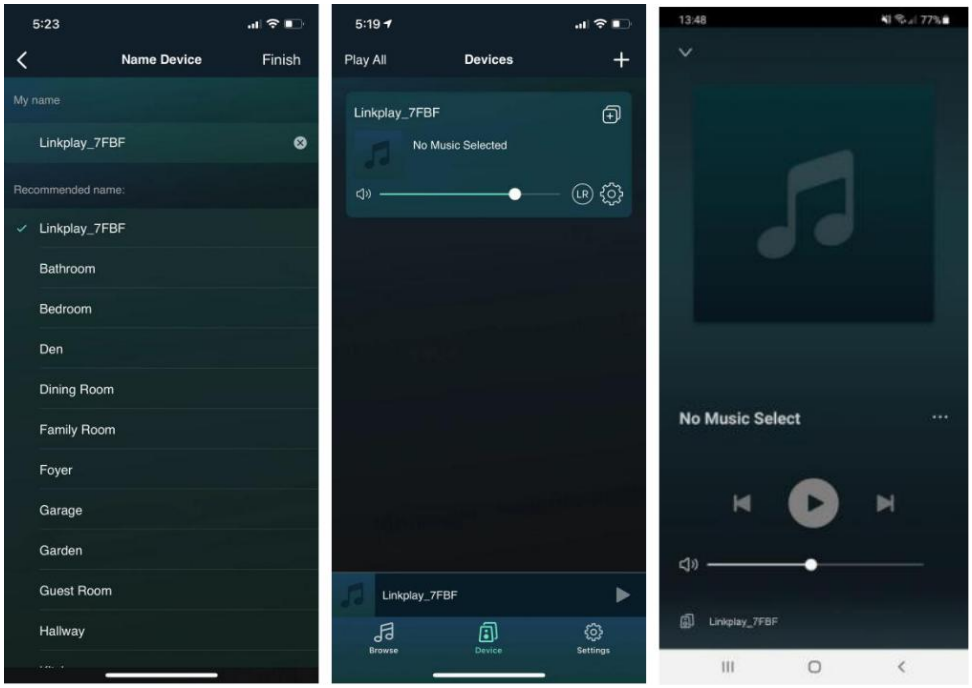


Naming the Device

Once connected, a notification will appear to confirm this, showing the signal strength.
Select Next to see the Name Device page, which enables the user to give the amplifier a label to describe its audio zone. Select a name (or create a custom name).
After naming, the amplifier, select the > arrow at the top of the screen.

Device List

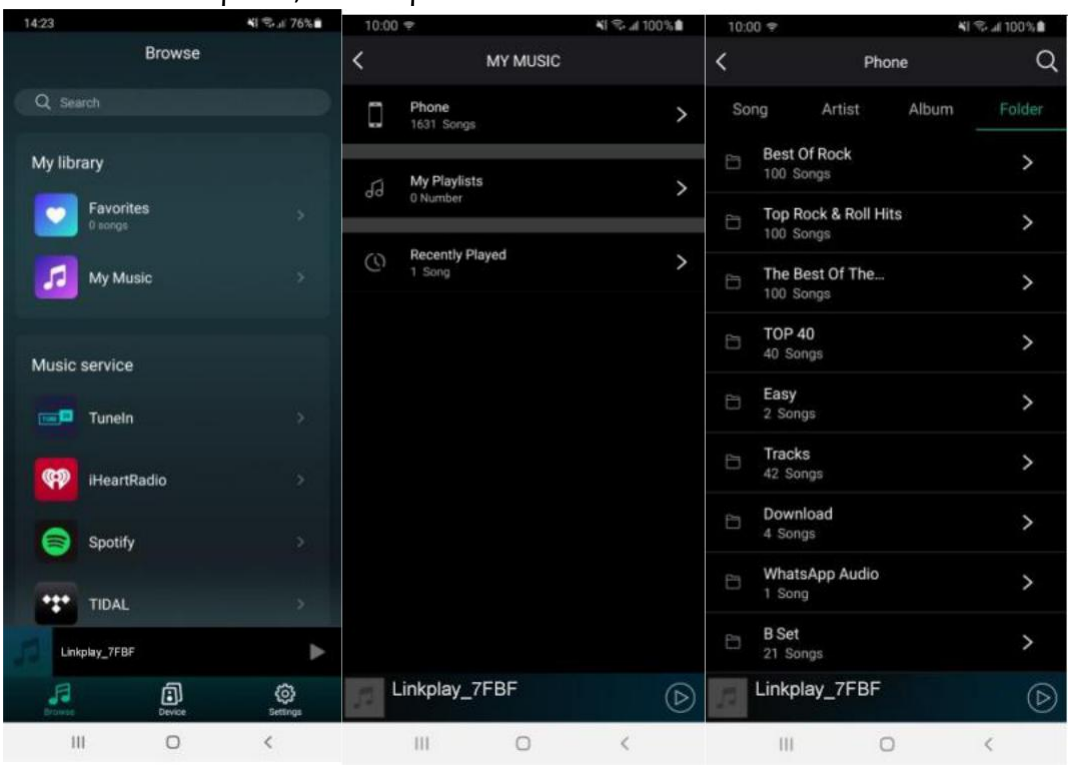
In the next page, the amplifier will appear in the Device List.
Several amplifiers may be listed with different names if required, all controllable from the app.
Tapping the symbol opens a Settings menu for that specific amplifier.
Selecting an amplifier unit and tapping its status bar at the bottom will expand the page for that unit.



On an individual amplifier's main page, the current playing track will be displayed with any album art, a progress bar and playback controls.
Tap Down Setting symbol to go back to the Device List page, below the status bar are icons for Browse/Device/Settings.
Device is the current page and Settings will display the app Version information and a feedback form.
Browse is the main page for selecting media for playback, as described in detail on the following pages.

Browse Menu

Selecting Browse opens a page showing a list of available free and subscription playback sources.
At the top of this page is a Search option to save time when looking for specific program material.
Below this is a Favorites option, where preferred sources or tracks can be selected and stored.



The My Music option enables playback of tracks or playlists stored locally in the smart phone.

Locally stored tracks can be listed by Song, Artist, Album or Folder for convenience.

The smart phone must remain connected to the same as the Amplifier to maintain playback.

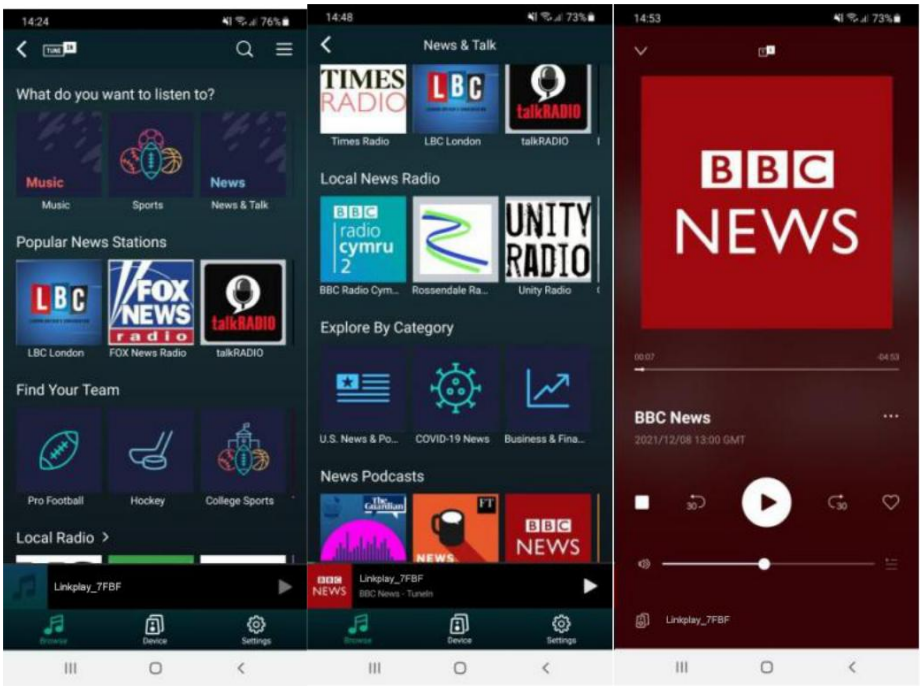
Going back to the main Browse list, some of the listed Music services require a subscription and may be added or removed from the list as required via the + icon at the bottom of the list.

For radio services, TuneIn and iHeart Radio (U.S. only) are included.

Selecting the TuneIn service is described as an example on the following page.

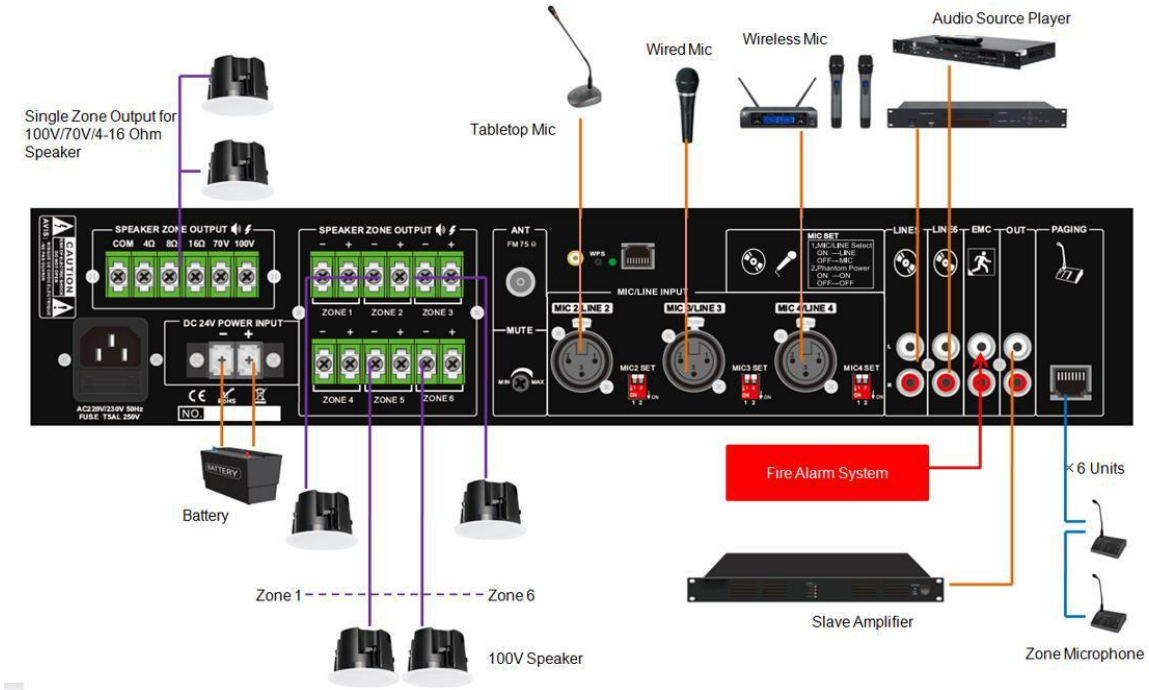
TuneIn Application

TuneIn is a free-to-use app with optional paid versions for premium features.
Using this service allows user to browse any online radio station listed by locality or genre. Selecting a radio station sets playback to stream directly from the smart phone to the Amplifier. Once streaming is initiated, connection to the smart phone is not needed except for further control.



When the smart phone or other sending device is disconnected from the local , the Amplifier will continue to stream the audio file(s), playlist, podcast or radio station that is currently playing.
To change the audio stream or output level via the smart phone, it is necessary to connect the smart phone to the local and open the Legacy Player app for control. When the Amplifier is powered down, the audio stream may need to be re-set when powered on again.

4.8 Connection Diagram



5. Best Practice

ADERTECH's engineers design products at the highest quality standards. To get the best results and maximum performance from our products, please read this manual carefully. We recommend using high quality connectors, cables, and adapters only. Consider the points below when you choose accessories and position equipment.

6. Safety Instructions

WARNING: To reduce the risk of fire or electric shock, do not expose this device to rain or moisture. Do not use this device near water. Clean only with a dry cloth.

Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the device. This unit must be connected to an earthed mains socket outlet with the supplied cable. The AC wall outlet should be installed near to the unit and be easily accessible.

If using cables or extenders which run a long distance, the protective earth circuit of the socket should be verified by a skilled person to ensure equipotential earth bonding. Do not use unit on objects or installations where power lines have grounding and/or different phase issues.

Unplug units during lightning storms or when unused for long periods of time.

Do not install unit near any heat sources such as radiators, heat registers, stoves, or devices (including amplifiers) that produce heat. Do not block any ventilation openings. This unit uses active cooling with fans. Do not install unit in dusty and/or dirty places. Use professional equipment racks with air condition and filters.

7. Warranty Information

ADERTECH warrants all units to be free from defects in workmanship and materials, under normal use and service, for a period of three (3) years from the date of purchasing from authorized reseller.
If a product does not work as it warranted during this period, ADERTECH will repair or replace the defective product or its part. Replacement products may be new or reconditioned.

Warranty ends if the product has been damaged due to abuse, misuse, neglect, accident, unusual physical or electrical stress, unauthorized modifications, tampering, alterations, or servicing other than by ADERTECH or its authorized centers, causes other than from ordinary use or failure to properly use the Product in the application for which said Product is intended.

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8. Specifications

8.1 MPAMP-6120

SKU	MPAMP-6120
Type	Multizone Mixer Power Amplifier with Media Player
Rated Power	1x 120W (4Ohm, 8Ohm, 16Ohm, 70V, 100V) / 6x 100V
Class	D
Frequency Response	80Hz – 16KHz
Signal/Noise Ratio	>70dB
THD	<0.1%
Interfaces	
Inputs	1x unbalanced, mono, Jack 6.3mm, MIC (no phantom, front panel)
	3x balanced audio, mono, XLR (MIC with phantom power supported)
	3x unbalanced audio, stereo, 2x RCA (2x line, 1x EMC)
	1x paging station, RJ45
MIC	2.5 mV
Line	250 mV
Outputs	1x unbalanced audio, stereo, 2x RCA
	6x 100V, 2-pin screw terminal (zone 1-6)
	1x 4Ohm, 8Ohm, 16Ohm, 70V, 100V, COM, 6-pin screw terminal (main)
Control	
Local	Front Panel Power Switch and Local Control with LEDs, LCD
Indication	Power, Protect, Clipping and Signal Levels LED Status
Network	1x Ethernet, RJ45
Misc	
USB	1x USB A Socket, Media Player Content Port (front panel)
SD Card	1x SD Card Slot, Media Player Content Port (front panel)
WiFi	1x External Antenna, SMA Connector (rear panel)
FM-Radio	1x External Antenna, FM PAL Connector 75Ohm (rear panel)
Emergency Power	1x 24V input, 2-pin screw terminal (rear panel)
Safety	
Cooling	Passive
Protection	Short circuit, overload, high temperature, signal clipping
Electrically	
Power Consumption	200W (Max)
Power Supply	Internal, switching, DC 24V, AC 110 / 230V, 50/60Hz
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions (LxWxH)	484 x 405 x 88 mm, 2RU
Weight	9.2 kg
Environments	
Operating Temperature	0°C ~ 40°C
Storage Temperature	-20°C ~ 70°C
Relative Humidity	10%~90% RH (non-condensing)

8.2 MPAMP-6240

SKU	MPAMP–6240
Type	Multizone Mixer Power Amplifier with Media Player
Rated Power	1x 240W (4Ohm, 8Ohm, 16Ohm, 70V, 100V) / 6x 100V
Class	D
Frequency Response	80Hz – 16KHz
Signal/Noise Ratio	>70dB
THD	<0.1%
Interfaces	
Inputs	1x unbalanced, mono, Jack 6.3mm, MIC (no phantom, front panel)
	3x balanced audio, mono, XLR (MIC with phantom power supported)
	3x unbalanced audio, stereo, 2x RCA (2x line, 1x EMC)
	1x paging station, RJ45
MIC	2.5 mV
Line	250 mV
Outputs	1x unbalanced audio, stereo, 2x RCA
	6x 100V, 2-pin screw terminal (zone 1-6)
	1x 4Ohm, 8Ohm, 16Ohm, 70V, 100V, COM, 6-pin screw terminal (main)
Control	
Local	Front Panel Power Switch and Local Control with LEDs, LCD
Indication	Power, Protect, Clipping and Signal Levels LED Status
Network	1x Ethernet, RJ45
Misc	
USB	1x USB A Socket, Media Player Content Port (front panel)
SD Card	1x SD Card Slot, Media Player Content Port (front panel)
WiFi	1x External Antenna, SMA Connector (rear panel)
FM-Radio	1x External Antenna, FM PAL Connector 75Ohm (rear panel)
Emergency Power	1x 24V input, 2-pin screw terminal (rear panel)
Safety	
Cooling	Passive
Protection	Short circuit, overload, high temperature, signal clipping
Electrically	
Power Consumption	400W (Max)
Power Supply	Internal, switching, DC 24V, AC 110 / 230V, 50/60Hz
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions (LxWxH)	484 x 405 x 88 mm, 2RU
Weight	9.4 kg
Environments	
Operating Temperature	0˚C ~ 40˚C
Storage Temperature	-20˚C ~ 70˚C
Relative Humidity	10%~90% RH (non-condensing)

8.3 MPAMP-6350

SKU	MPAMP-6350
Type	Multizone Mixer Power Amplifier with Media Player
Rated Power	1x 350W (4Ohm, 8Ohm, 16Ohm, 70V, 100V) / 6x 100V
Class	D
Frequency Response	80Hz – 16KHz
Signal/Noise Ratio	>70dB
THD	<0.1%
Interfaces	
Inputs	1x unbalanced, mono, Jack 6.3mm, MIC (no phantom, front panel)
	3x balanced audio, mono, XLR (MIC with phantom power supported)
	3x unbalanced audio, stereo, 2x RCA (2x line, 1x EMC)
	1x paging station, RJ45
MIC	2.5 mV
Line	250 mV
Outputs	1x unbalanced audio, stereo, 2x RCA
	6x 100V, 2-pin screw terminal (zone 1-6)
	1x 4Ohm, 8Ohm, 16Ohm, 70V, 100V, COM, 6-pin screw terminal (main)
Control	
Local	Front Panel Power Switch and Local Control with LEDs, LCD
Indication	Power, Protect, Clipping and Signal Levels LED Status
Network	1x Ethernet, RJ45
Misc	
USB	1x USB A Socket, Media Player Content Port (front panel)
SD Card	1x SD Card Slot, Media Player Content Port (front panel)
WiFi	1x External Antenna, SMA Connector (rear panel)
FM-Radio	1x External Antenna, FM PAL Connector 75Ohm (rear panel)
Emergency Power	1x 24V input, 2-pin screw terminal (rear panel)
Safety	
Cooling	Passive
Protection	Short circuit, overload, high temperature, signal clipping
Electrically	
Power Consumption	500W (Max)
Power Supply	Internal, switching, DC 24V, AC 110 / 230V, 50/60Hz
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions (LxWxH)	484 x 405 x 88 mm, 2RU
Weight	10.2 kg
Environments	
Operating Temperature	0°C ~ 40°C
Storage Temperature	-20°C ~ 70°C
Relative Humidity	10%~90% RH (non-condensing)

8.4 MPAMP-6500

SKU	MPAMP-6500
Type	Multizone Mixer Power Amplifier with Media Player
Rated Power	1x 500W (4Ohm, 8Ohm, 16Ohm, 70V, 100V) / 6x 100V
Class	D
Frequency Response	80Hz – 16KHz
Signal/Noise Ratio	>70dB
THD	<0.1%
Interfaces	
Inputs	1x unbalanced, mono, Jack 6.3mm, MIC (no phantom, front panel)
	3x balanced audio, mono, XLR (MIC with phantom power supported)
	3x unbalanced audio, stereo, 2x RCA (2x line, 1x EMC)
	1x paging station, RJ45
MIC	2.5 mV
Line	250 mV
Outputs	1x unbalanced audio, stereo, 2x RCA
	6x 100V, 2-pin screw terminal (zone 1-6)
	1x 4Ohm, 8Ohm, 16Ohm, 70V, 100V, COM, 6-pin screw terminal (main)
Control	
Local	Front Panel Power Switch and Local Control with LEDs, LCD
Indication	Power, Protect, Clipping and Signal Levels LED Status
Network	1x Ethernet, RJ45
Misc	
USB	1x USB A Socket, Media Player Content Port (front panel)
SD Card	1x SD Card Slot, Media Player Content Port (front panel)
WiFi	1x External Antenna, SMA Connector (rear panel)
FM-Radio	1x External Antenna, FM PAL Connector 75Ohm (rear panel)
Emergency Power	1x 24V input, 2-pin screw terminal (rear panel)
Safety	
Cooling	Passive
Protection	Short circuit, overload, high temperature, signal clipping
Electrically	
Power Consumption	650W (Max)
Power Supply	Internal, switching, DC 24V, AC 110 / 230V, 50/60Hz
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions (LxWxH)	484 x 405 x 88 mm, 2RU
Weight	10.4 kg
Environments	
Operating Temperature	0°C ~ 40°C
Storage Temperature	-20°C ~ 70°C
Relative Humidity	10%~90% RH (non-condensing)