



1U MIXER AMP, 100V 120W, MP3/FM/BT

MODEL: VMA120D

Please read these instructions carefully before use and retain for future reference.

IMPORTANT SAFETY INFORMATION

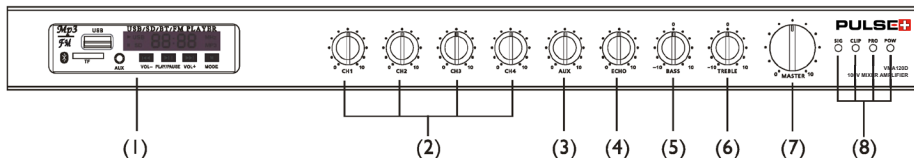
- When using electrical appliances basic safety precautions should always be followed.
- Check that the voltage indicated on the rating plate corresponds with that of the local network before connecting the appliance to the mains power supply.
- Do not expose the unit to rain or moisture, as doing so may result in damage to the amplifier or electric shock.
- There are no user serviceable parts in this appliance. Refer all servicing to qualified personnel.
- If the supply cord is damaged, it must be replaced by a qualified engineer in order to avoid injury or hazard.
- This amplifier must be grounded.
- Do not operate the unit if you detect smoke or a strange smell coming from the unit.
- Replace the terminal cover once connection is complete, as high voltage is applied to the speaker terminals. Never touch these in case of electric shock.
- Install the appliance on a stable and level surface. Avoid any unstable locations in order to avoid damage to property or personal damage.
- Ensure there is ample space surrounding the amplifier in order to allow ventilation and avoid overheating.
- Make sure that the volume control is set to the minimum position before switching on.
- Do not operate the unit for an extended period of time if the sound is distorting. This is a indication of a malfunction, which can cause heat to generate.
- If the unit is not in use for a long period of time, switch the power off and unplug the power supply.
- Before cleaning, switch off the power and unplug the power supply.
- When cleaning, use a soft dry cloth to remove any dust that may have accumulated.
- Do not use any chemicals, abrasives or solvents that could damage the unit.

FEATURES

- Tone controls (BASS/TREBLE).
- MP3 Player with USB/SD, FM, Bluetooth & 3.5mm Aux input.
- Speaker outputs: 4 Ohms or 70V/100V.
- 4 (XLR/Jack) inputs with MIC/LINE/PHANTOM selection plus 1 AUX (RCA) input.
- ECHO function.
- Class D amplifier.
- 1U 19" Rack mountable.
- 24VDC emergency power input for use if the AC power fails.

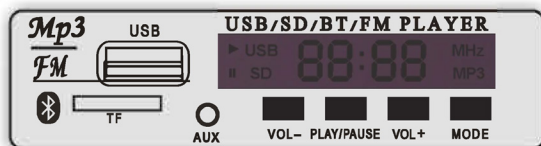
PRODUCT OVERVIEW

Front Panel



1. MP3 input using USB or SD card also FM radio control.
2. INPUT 1-4
The controls are used to adjust the gain of input 1-4 respectively. Adjust clockwise to increase the volume while adjust counter clockwise to decrease the volume.
3. AUX
The control is used to adjust the gain of AUX. Adjust clockwise to increase the volume while adjust counter clockwise to decrease the volume .
4. ECHO FUNCTION
It is used to control ECHO. When not using the ECHO function, please turn the ECHO volume level to minimum to avoid noise.
5. BASS
Use the control to control the low frequency at the range of $\pm 10\text{dB}$. Turn clockwise to boost and counter clockwise to attenuate the bass response. Tone is flat at centre position.
6. TREBLE
Use the control to control the high frequency at the range of $\pm 10\text{dB}$. Turn clockwise to boost and counter clockwise to attenuate the treble response. Tone is flat at centre position.
7. MASTER
This control is used to adjust the overall output volume of the unit.
8. LED Indicators: Signal, Clip, Protect, Power.

OPERATION



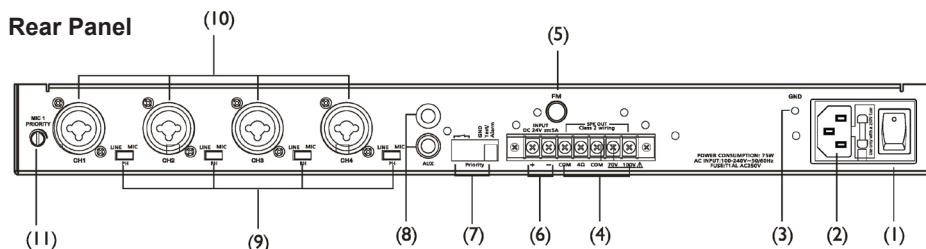
MP3 Operation Instructions

Before performing the following operations, please connect a source via USB or SD card. On connection the input will automatically switch or can be manually selected.

1. MODE button
Short press mode is to convert between USB/SD card and FM/AUX/BLUETOOTH. In FM mode, you can listen to the radio. An external antenna will be required in areas of low signal strength.
In BT mode, use your mobile phone, computer and other devices to search for "VIRE BT" and then click on the connection, after pairing successfully you can play music.

Note that the above modes can only use one source at any one time

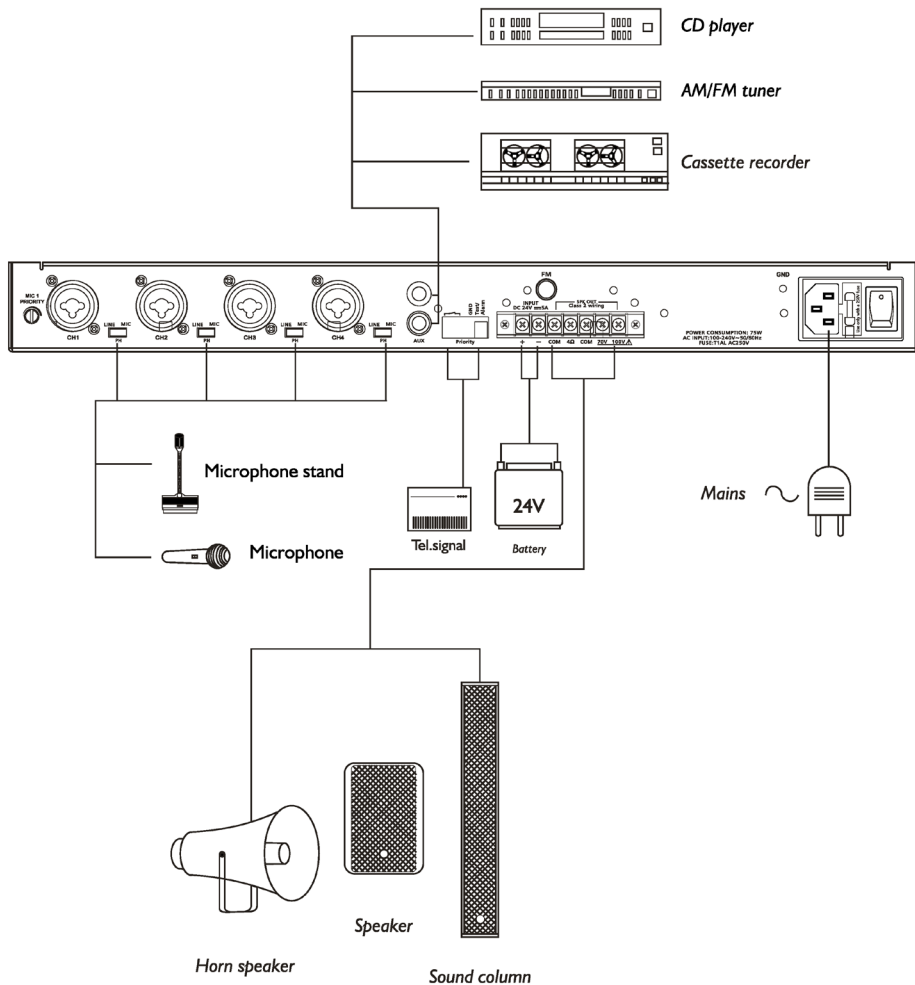
2. **VOL+ button**
 In MP3 mode, short press to play the next song, long press to continuously increase the volume.
 In AUX mode, long press to continuously increase the volume.
 In BT mode, short press to play the next song, long press to continuously increase the volume.
 In FM mode, short press to tune to the next station for playback, long press to continuously increase the volume.
3. **VOL- button**
 In MP3 mode, short press to play the previous song, long press to continuously decrease the volume.
 In AUX mode, long press to continuously decrease the volume.
 In BT mode, short press to play the previous song, long press to continuously decrease the volume.
 In FM mode, short press to tune to the previous station for playback, long press to continuously decrease the volume.
4. **PLAY/PAUSE button**
 In MP3 mode, short press for pause/play.
 In AUX mode, short press to mute output.
 In BT mode, when playing music, short press for pause/play button, press 2 times continuously to call back (last number).
 When calling, long press to reject the call, short press to hang up when talking.
 In FM mode, short press for pause/play button, long press to automatically search and save the station named as P01, P02 etc.



1. **POWER SWITCH**
 The mains power can be switched on or off.
2. **AC JACK**
 The mains power cord connection and fuse.
3. **GND ground connection.**
4. **OUTPUT TERMINALS**
 Connections for low impedance 4ohm speakers and connections for constant voltage 70V or 100V speakers.
5. **FM ANTENNA**
6. **DC INPUT**
 It is used for DC power supply for 24V. Pay attention to ensure correct polarity.
7. **MUTE/SEN**
 With Alarm or TEL paging working, all other input signals are muted.
8. **AUXIN**
 It is used for AUX input source.

9. MIC/PHANTOM/LINE SELECT SWITCH
It is turned to left for LINE, middle for PHANTOM, and right for MIC.
10. INPUTS 1-4
XLR/Jack inputs, used for balanced/unbalanced inputs
11. MIC PRIORITY
CH1 priority adjustment potentiometer.

CONNECTION DIAGRAM



SPECIFICATION

Model	VMA120D
Power output	120W
Loudspeaker output	COM, 4Ω, 70V, 100V
Input sensitivity	Mic: -52dBV balanced. Phantom: -52dBV/18V balanced. Line: -10dBV balanced. AUX: -10dBV balanced. Test/alarm: -10dBV balanced.
Tone	Bass: 100Hz ± 10dB Treble: 10kHz ± 10dB
Frequency response	80Hz~16kHz (-3dB)
Signal to noise ratio	Mic: ≥65dB. Phantom: ≥65dB. Line: ≥75dB. AUX: ≥75dB.
THD	Rated power output, distortion ≤1%
Net weight	4.9kg
Dimensions	483 x 281 x 44mm.
Power supply	100-240V~50/60Hz, 24VDC



INFORMATION ON WASTE DISPOSAL FOR CONSUMERS OF ELECTRICAL & ELECTRONIC EQUIPMENT.

When this product has reached the end of its life it must be treated as Waste Electrical & Electronic Equipment (WEEE). Any WEEE marked products must not be mixed with general household waste, but kept separate for the treatment, recovery and recycling of the materials used. Contact your local authority for details of recycling schemes in your area.



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