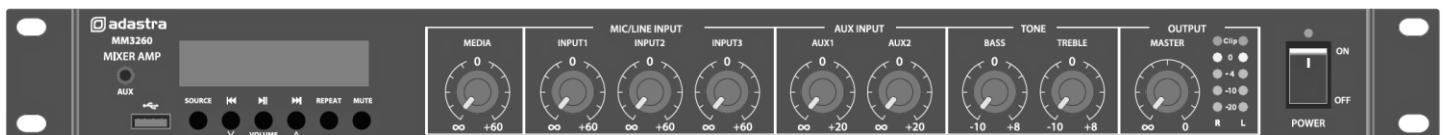


MM3260

1U RACKMOUNT MIXER-AMP WITH USB/FM/BT – 2 x 60W

Item ref: 953.029UK

User Manual



Version 1.0







Caution: Please read this manual carefully before operating
Damage caused by misuse is not covered by the warranty

Introduction

Thank you for choosing an Adastra MM3260 mixer-amp with built-in media player as part of your sound system. This unit is designed to offer high quality, dependable service for audio mixing and distribution. Please read this manual to gain the best results from your product and avoid damage through misuse.

SAFETY SYMBOL AND MESSAGE CONVENTIONS

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	AVIS RISQUE DE CHOC ELECTRIQUE NE PAS OUVRI	
	This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit		
	This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.		



SAFETY NOTICE

1. Prior to use, read through this manual
2. Keep the manual in good condition
3. Pay attention to safety warnings
4. Observe all operating requirements
5. Do not use the device near water or wet areas
6. For cleaning, only use a lint-free, dry cloth
7. Install according to the specifications
8. Place away from heat sources or heating appliances
9. Use mains lead provided and avoid damage to cable or connectors
10. Unplug power from mains during stormy weather or if unused for long periods
11. In case of malfunction, water ingress or other damage, consult qualified service personnel
12. Do not place in damp areas or near liquids or moisture. Do not spill liquids on the housing
13. Please pay attention to warning symbols during transit and placement
14. Terminals marked with the ⚡ symbol are HAZARDOUS LIVE and should only be connected by qualified personnel
15. Ensure that the apparatus is connected to a mains socket with a protective EARTH connection
16. Ensure correct operation of the mains switch

Warning

To prevent the risk of fire or electric shock, do not expose any components to rain or moisture. If liquids are spilled on the casing, stop using immediately, allow unit to dry out and have checked by qualified personnel before further use. Avoid impact, extreme pressure or heavy vibration to the case
 No user serviceable parts inside – Do not open the case – refer all servicing to qualified service personnel.

Safety

- Check for correct mains voltage and condition of IEC lead before connecting to power outlet

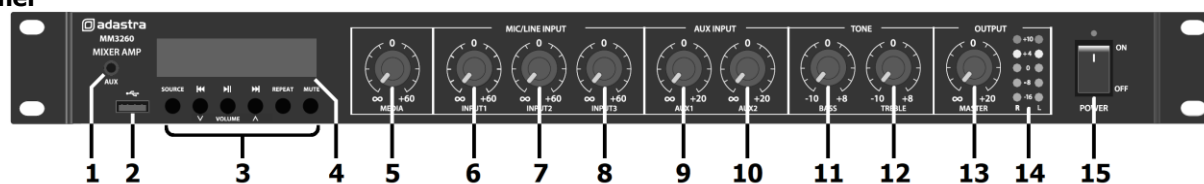
Placement

- This unit can be used free-standing or fixed into a 19" rack
- Ensure adequate support and access to controls and connectors when rack-mounting

Cleaning

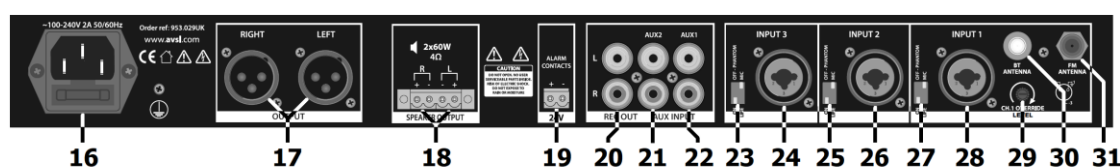
- Use a soft cloth with a neutral detergent to clean the housing as required
- Do not use strong solvents for cleaning the unit

Front panel



- | | | | |
|----|---------------------------------|-----|--------------------------------|
| 1. | 3.5mm AUX input to media player | 9. | Aux line input 1 level control |
| 2. | USB port | 10. | Aux line input 2 level control |
| 3. | Media player control panel | 11. | Bass EQ boost/cut control |
| 4. | Media player LCD display | 12. | Treble EQ boost/cut control |
| 5. | Media player level control | 13. | Master output level control |
| 6. | Mic/Line input 1 level control | 14. | Output level LED indicators |
| 7. | Mic/Line input 2 level control | 15. | Power switch and indicator |
| 8. | Mic/Line input 3 level control | | |

Rear panel



- | | | | |
|-----|---------------------------------------|-----|---------------------------------------|
| 16. | IEC mains inlet and fuse holder | 24. | Input 3 balanced XLR/jack |
| 17. | L+R XLR balanced outputs | 25. | Mic/Line and phantom switches Input 2 |
| 18. | L+R speaker output terminals | 26. | Input 2 balanced XLR/jack |
| 19. | 24V emergency alarm contacts | 27. | Mic/Line and phantom switches Input 1 |
| 20. | Record output L+R RCA | 28. | Input 1 balanced XLR/jack |
| 21. | Aux 2 line input L+R RCA | 29. | CH.1 override level adjustment |
| 22. | Aux 1 line input L+R RCA | 30. | Bluetooth antenna connection |
| 23. | Mic/Line and phantom switches Input 3 | 31. | FM tuner antenna F connector |

Connection

Ensure the Power (15) is switched off until all input and output connections are in place.
Turn all rotary level controls (5 - 10) and Master level (13) fully down (anti-clockwise) to avoid loud noises when switching on.
Set the BASS and TREBLE Tone controls (11, 12) to the vertical position (zero)

Channels 1, 2 and 3 can accept microphones or mono line level inputs, such as CD, TV or electronic keyboard.
Connect the main microphone or line level signal to Mic/Line 1 input (28) on the rear panel via balanced XLR or 6.3mm jack.
If a condenser mic is being used, connect via XLR, select Mic level and 20V Phantom power on via the channel 1 DIP switches (27)
Further mic or line level signals can be connected to inputs 2 and 3 (24, 26) in the same way as for channel 1
Set the DIP switches for channels 2 and 3 (23, 25) to suit the input source.
Connect stereo line level sources to AUX 1 and AUX 2 RCA inputs (21, 22).

Loudspeakers should be connected to the MM3260 via Left & Right screw terminals on a removable modular connector.
Connect + and - wires to each speaker as indicated, ensuring that there is no chance of strands shorting across terminals.

Important: Ensure that the load is no lower than 4Ω for each output.
(e.g. 2 x 4Ω speakers... or... 2 pairs of 8Ω speakers wired in parallel)
Ensure that the speakers can handle 60W from each output.

Line outputs are available on L+R balanced XLR (18) for stereo operation.
Record outputs on L+R RCA (20) are unaffected by the Master level control.

For Bluetooth reception, connect the supplied mini antenna to the Bluetooth antenna connection (30)
This antenna may need to point sideways or straight out if rack-mounted. Use the position that gives the best reception.

For the FM tuner to function correctly, it is advisable to connect an FM aerial to the F type antenna connector (31)
If available, connect a 24V trigger from an alarm panel to the alarm contacts (17) to mute all except channel 1 in an emergency.

Connect the rear IEC inlet (16) to the mains using the supplied mains lead (or an equivalent approved type).
Ensure that the supply voltage is correct for this equipment and that the mains outlet is switched on.

Operation

If any other amplifiers or active speakers are connected to the line outputs, keep these switched off until the MM3260 is powered up.
Switch on the power and the Power LED indicator should light (15). Turn up the Master level (13) part way.

If connected, speak into a microphone whilst gradually turning up its channel level control (6, 7 or 8)
If no microphones are connected, a line input or internal media player (see below) can be used for checking.

The L+R output meters (14) should light up and the sound should be heard through the connected speakers. Increase the Master output level if required and set the relevant channel level control to the required volume. Repeat the above steps for all connected inputs whilst balancing the levels between channels as required. For the AUX line inputs, a single rotary control for each (9, 10) adjusts the level of both left and right RCA inputs. Channel 1 input also has a priority function which attenuates all other channels when there is a signal on Ch.1 Turning the CH.1 override level control (29) clockwise increases the amount that it mutes all other channels.

Sensible use of the output meters (14) will help to avoid overdriving the amplifier outputs. The +10dB LED should only light briefly on percussive or transient parts of the sound (i.e. bass drum) If the +10dB LED is lit for any longer than short bursts, the level controls will need to be turned down. This will avoid signal clipping and overdrive, which can be damaging to the speakers.

For overall tone adjustment, moving the BASS and TREBLE EQ controls (11, 12) can help to tailor the sound quality as required. If the sound is too thin sounding, turn up the BASS rotary. If it is too deep sounding, reduce the BASS level. If the sound is not very clear, turn up the TREBLE rotary. If it is too harsh sounding, reduce the TREBLE level.

Media player

SOURCE	⏪	▶	⏩	REPEAT
bt = Bluetooth	Previous track	Play/Pause current track	Next track	OnE = repeat track
LORd = loading USB	Hold = volume down	FM mode = Auto tune	Hold = volume up	rnd = random play
MHz = FM frequency		In AUX mode = Mute		ALL = repeat all
AUX = Aux line input				

The MM3260 built-in media player can play standard compressed audio files stored on a USB memory device (formatted to FAT32) Insert the USB device into the USB port (2) to start playback using PREVIOUS, PLAY/PAUSE, NEXT & REPEAT controls.

The media player can also playback audio from a smart phone or tablet via B/T wireless connection. To pair a device to the MM3260, press the SOURCE button until "bt" appears in the LCD display. On the smart phone or tablet, search for the device called "adastra" and select to pair and connect. Once connected, playback from the device can be navigated by the PREVIOUS, PLAY/PAUSE and NEXT buttons.

For FM tuner mode, press SOURCE until a frequency (in MHz) is displayed. Press and hold PLAY/PAUSE to auto tune available stations (pressing PLAY/PAUSE during this process will abort the auto-tuning) Use the PREVIOUS and NEXT buttons to navigate through the stored stations. To delete any selected station, press and hold the Repeat button. Repeat the auto tuning process to re-populate any missing presets.

Connecting an external device to the 3.5mm AUX jack socket (1) allows playback of stereo line level audio through the media player. All media player output is controlled by the MEDIA level control (5) on the front panel. Turn down the Master volume control before powering down the MM3260 mixer to avoid any loud noise through the speakers.

Specifications

Power supply	100-240Vac, 50/60Hz
Fuse	T2AL
Inputs	3 x XLR/jack (bal/unbal) mic/line, 2 x Aux L+R RCA, 3.5mm jack to media player
Audio source	Internal Bluetooth, USB, FM & Aux player
Output power: RMS	2 x 60W @ 4Ω
Speaker outputs	L+/L-/R+/R- screw terminals (Euroblock)
Line outputs	L+R XLR, Record out (RCA)
Emergency control	24V contacts mute all except channel 1
Phantom power	+20V (switchable channels 1-3)
Input impedance	2.2k Ohms (mic/line), 10k Ohms (aux)
Controls	Media, 3 x Mic/Line, 2 x Aux, Treble, Bass, Master level
Rear panel controls	CH.1 override level, mic/line and phantom DIP switches
Frequency response: mic	20Hz - 18kHz
Frequency response: line	14Hz - 20kHz
Frequency response: aux	10Hz - 23kHz
Input sensitivity	-45dBV
Input sensitivity: aux/line	-10dBV
Signal to noise ratio: mic	55dB
Signal to noise ratio: aux/line	60dB
Dimensions	482 x 130 x 44mm
Weight	1.96kg



Disposal: The "Crossed Wheelie Bin" symbol on the product means that the product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.

*Errors and omissions excepted.
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