

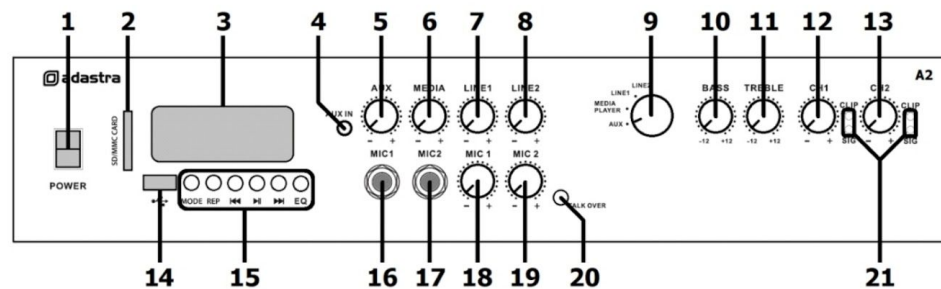
*Ropsley Hall
PA system
Instructions*

*Also amplifier
and radio
system manuals*

The hall has a stereo public address system complete with both corded and radio microphone systems. It is also capable of playing audio from a variety of sources. The wall mounted cabinet contains the amplifier and the radio microphone receiver along with the power lead.



These are the microphones available. Further information is in the manual attached to this guide.



- | | |
|--------------------------------|-------------------------------------|
| 1. Power on/off switch | 12. Channel 1 output level control |
| 2. SD card slot | 13. Channel 2 output level control |
| 3. Media player display | 14. USB port |
| 4. 3.5mm stereo Aux input | 15. Media player control panel |
| 5. Aux input volume control | 16. Mic 1 input 6.3mm jack |
| 6. Media player volume control | 17. Mic 2 input 6.3mm jack |
| 7. Line 1 input volume control | 18. Mic 1 volume control |
| 8. Line 2 input volume control | 19. Mic 2 volume control |
| 9. Stereo input selector | 20. Talkover on/off button |
| 10. Bass EQ control | 21. Output Signal & Clip indicators |
| 11. Treble EQ control | |

The above is the front panel of the amplifier. Further information is in the manual attached to this guide.

General notes.

1. The numbers shown thus [1] in the instructions refer to the above front panel diagram.
2. The switches to the right of the panel [10,11,12,13] control the output tone and stereo balance for all applications.
3. It is possible to use both microphone systems and the media player simultaneously.
4. For ease of use the door may be removed by depressing one of the hinge pins.
5. After use unplug from power socket and place cord in cabinet. Ensure door is closed,

To use the corded microphone.

1. Plug the microphone cable into the socket on the main hall wall. This is adjacent to a power socket approximately one meter from the store room door.
2. Take the white power lead from the cabinet and plug into the power socket adjacent to the cabinet and switch on.
3. Switch the amplifier on with switch [1]. The media panel will illuminate.
4. The corded microphone is channel MIC2 [17]
5. Switch the microphone on. The switch positions are off-mute-on. Adjust the volume for MIC2 [19] to suit
6. If you are playing media at the same time switch on talkover [20]. This temporarily reduces the media volume when you use the microphone.
7. After use turn down volume [19] and switch the unit off.
8. When disconnecting the microphone cable from the wall socket press the small metal tab towards the wall.

To use the radio microphones

1. The radio microphone system comprises of 2 headsets and 2 hand microphones. These are colour coded. Each unit requires 2 AA batteries. Whilst there are batteries in the box we advise that the user has new batteries to hand. The Hall cannot guarantee the charge level of batteries. Please remove batteries after use.
2. Fit batteries by unscrewing the bottom of the hand mics and by a cover on the belt units of the headsets.
3. Take the white power lead from the cabinet and plug into the power socket adjacent to the cabinet and switch on.
4. Switch the amplifier on with switch [1]. The media panel will illuminate.
5. Switch on the radio unit using the rocker switch on the left hand side. A pilot light will illuminate.
6. Select the microphone you wish to use. You can use all 4 microphones simultaneously. Switch the microphone on. All microphones are switched

off-mute-on. A yellow light on the receiver shows you are connected to the appropriate channel.

7. Each radio microphone channel has its own volume. Adjust to suit.
8. Note: if output is low from headset microphones it may be necessary to adjust the gain control on the belt unit.
9. The radio microphone channel on the amplifier is MIC1 [16]
10. Adjust the volume for MIC1 [18] to suit
11. If you are playing media at the same time switch on talkover [20]. This temporarily reduces the media volume when you use the microphone.
12. After use turn down volume [18] and switch both units off
13. Remove all batteries and place microphones into box

To play media using Bluetooth

1. Take the white power lead from the cabinet and plug into the power socket adjacent to the cabinet and switch on.
2. Switch the amplifier on with switch [1]. The media panel will illuminate.
3. 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. To enable this function, it will be necessary to pair the sending device to the receiver as follows.
4. Press the media player MODE button on panel [15] until the display flashes “blue”
5. Open the Bluetooth settings menu on the smart phone or tablet (or other sending device)
6. Scan for Bluetooth devices and look for “A series” in the list of available devices (ensure that the amplifier is powered on, Bluetooth mode is selected and within reception range) Select “A series” and the sending device should confirm that it is connected as an audio device.
7. Select MEDIA PLAYER input (9) and turn up the MEDIA volume control (6) to the required level
8. Play audio from the sending device, ensuring that its volume controls are not turned down/muted.
9. After use turn down volume[6] and switch unit off.

To play media using Aux input

1. Take the white power lead from the cabinet and plug into the power socket adjacent to the cabinet and switch on.
2. Switch the amplifier on with switch [1]. The media panel will illuminate.
3. Select Aux on rotary switch [9]
4. Connect device to Aux input [4] A jack to jack cable is in the cabinet
5. Play input device
6. Adjust the Aux volume [5] to suit
7. After use turn down volume [5] and switch unit off.

To play media using Line 2 input

1. Take the white power lead from the cabinet and plug into the power socket adjacent to the cabinet and switch on.
2. Switch the amplifier on with switch [1]. The media panel will illuminate.
3. Select Line 2 on rotary switch [9]
4. Connect device to Line 2 by using the cable in the cabinet which terminates in a jack plug.
5. Play input device
6. Adjust the Line 2 volume [8] to suit
7. After use turn down volume [8] and switch unit off.

To play media using SD and USB

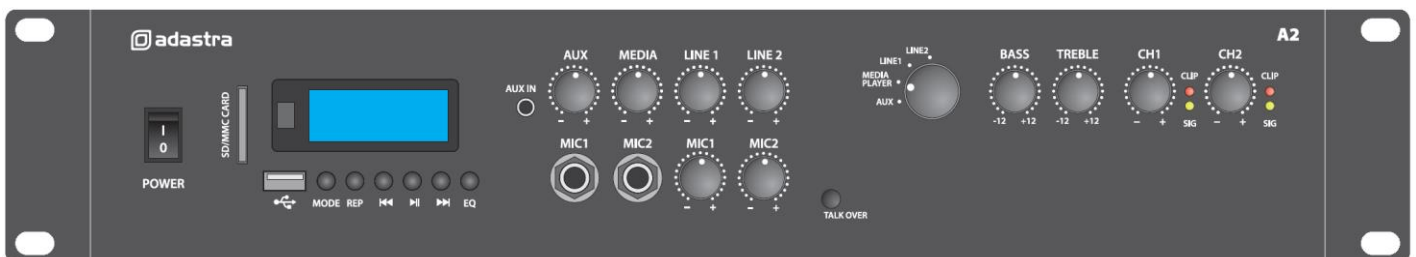
1. Refer to the user manual at the end of this guide to use these features
2. Also refer to the manual for further information on bluetooth and Aux methods.

A2

Rackmount Stereo Amplifier with Media Player

Item ref: 953.402UK

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 the Adastra A2 rackmount stereo amplifier to power your public address system. This amplifier is designed to offer high quality, dependable service for mobile and installed systems. Please read this manual fully and follow the instructions to achieve the best results with your new purchase and to avoid damage through misuse.

SAFETY SYMBOL AND MESSAGE CONVENTIONS



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

AVIS
RISQUE DE CHOC ELECTRIQUE NE PAS
OUVRIR



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
- It is recommended to use speaker wire with a minimum current rating of 6A per output.
- Do not allow any foreign objects to enter the case or through the ventilation grilles

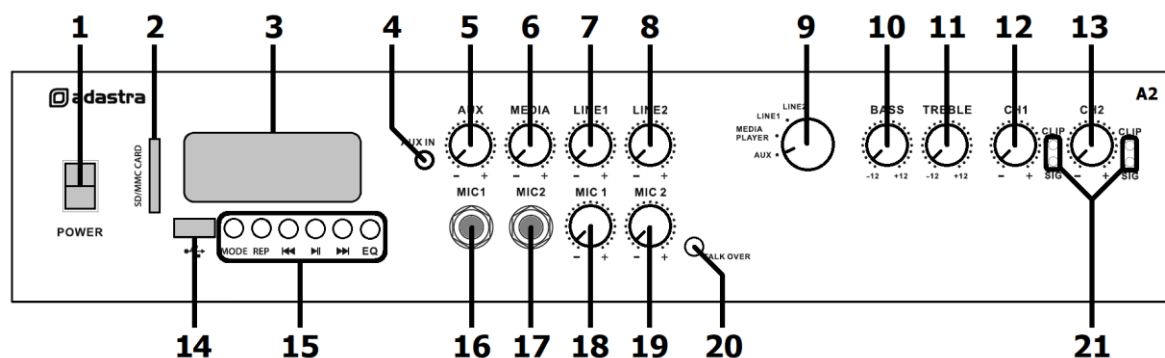
Placement

- Keep out of direct sunlight and away from heat sources
- Keep away from damp or dusty environments
- For rack-mounting, use the rack ears provided and ensure adequate support for the weight of the amplifier
- Ensure adequate air-flow and do not cover cooling vents
- Ensure adequate access to controls and connections

Cleaning

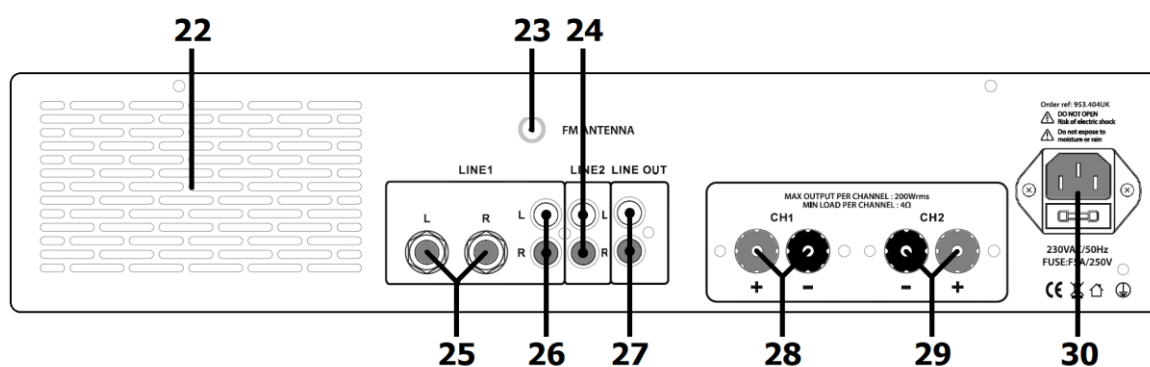
- Use a soft cloth with a neutral detergent to clean the casing as required
- Use a vacuum cleaner to clear ventilation grilles of any dust or debris build-ups
- Do not use strong solvents for cleaning the unit

Front panel



- | | |
|--------------------------------|-------------------------------------|
| 1. Power on/off switch | 12. Channel 1 output level control |
| 2. SD card slot | 13. Channel 2 output level control |
| 3. Media player display | 14. USB port |
| 4. 3.5mm stereo Aux input | 15. Media player control panel |
| 5. Aux input volume control | 16. Mic 1 input 6.3mm jack |
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| 10. Bass EQ control | 21. Output Signal & Clip indicators |
| 11. Treble EQ control | |

Rear panel



- | | |
|--|--|
| 22. Ventilation grille (do not obstruct airflow) | 27. Line output |
| 23. FM antenna connection (F type) | 28. Channel 1 speaker output +/- 4mm binding posts |
| 24. Line 2 input (L+R RCA) | 29. Channel 2 speaker output +/- 4mm binding posts |
| 25. Line 1 input (L+R 6.3mm jack) | 30. IEC mains inlet & fuse holder |
| 26. Line 1 input (L+R RCA) | |

Speaker connections

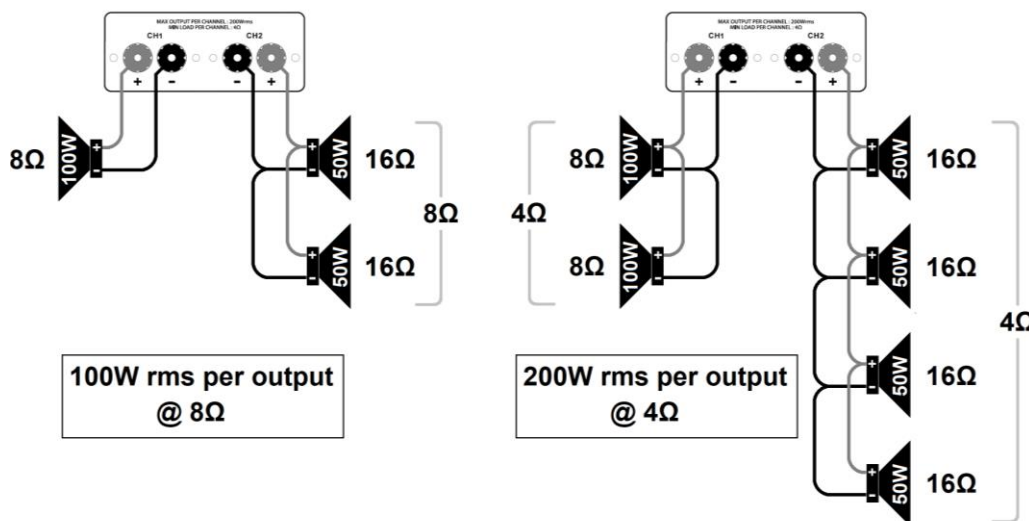
The A2 has 2 speaker output channels (Ch1 + Ch2) which can be used for Left and Right stereo output. For each output, connect “-” to the “-” speaker terminal(s) and “+” to the “+” speaker terminal(s). Connect speakers with a combined impedance of no lower than 4Ω to each output channel.

- If the speakers being connected are 4Ω, then connect only 1 speaker to each channel.
- If the speakers are 8Ω, you can connect up to 2 speakers in parallel to each channel.
- If the speakers are 16Ω, you can connect up to 4 speakers in parallel to each channel.

Some example wiring diagrams are shown opposite with speakers connected in parallel.

The impedance of the load measured in “Ohms” (Ω) will also determine the power output.

The amplifier delivers its maximum power output at the minimum impedance rating (4Ω). Higher impedances result in a lower output.



The combined load on each output shares the power from the amplifier. If the amplifier is delivering 200W to 2 speakers connected in parallel with the same impedance, they must each be capable of handling 100W.

Input connections

The A2 has 2 microphone inputs and 4 selectable stereo sources (one of which is the internal media player)

Connect wired microphone(s) to the Mic 1 and/or Mic 2 jack inputs (6.3mm) on the front panel (16, 17). The volume level of these is controlled by the Mic 1 and Mic 2 volume controls (18, 19).

A smart phone, tablet or mp3 player can be connected to the Aux jack (3.5mm) on the front panel (4). The volume level of this stereo input is controlled by the Aux volume control (5). To hear this input through the speakers, “AUX” must be selected on the input selector (9).

On the rear panel, there are 2 further stereo line inputs for connecting CD/DVD players, DVB/DAB tuners etc. Line 1 input has a choice of Left + Right 6.3mm jack (25) or RCA inputs (26).

The volume level of this input is controlled by the Line 1 volume control (7).

To hear this input through the speakers, “LINE 1” must be selected on the input selector (9).

Line 2 has Left + Right RCA inputs (27).

The volume level of this input is controlled by the Line 2 volume control (8).

To hear this input through the speakers, “LINE 2” must be selected on the input selector (9).

The mix of mic1+2 and selected line input can be fed onto further equipment via the RCA Line output (27).

For good reception of FM radio stations (if needed) in the media player, the A2 has an “F” connector on the rear panel (23) which can be connected to an external FM antenna (aerial).

Connect the IEC power inlet (30) to the 230Vac mains supply, using the IEC lead provided.

Operation

When all connections to the amplifier are made, turn all rotary controls down and switch on the power (1) and the media player display will illuminate.

Turn Bass and Treble controls (10, 11) to the 12 o'clock position (pointing straight up) and turn the Ch1 and Ch2 rotary controls (12, 13) up part way for testing.

If a microphone is connected to one of the mic inputs (16,17) gradually increase the volume control for that channel (18,19) and speak into the mic until it is heard through the speakers.

Alternatively, play a signal into one of the aux or line inputs (4, 24, 25, 26) and ensure it is selected on the input selector (9) and turn up its volume control (5, 7, 8) until the signal is heard through the speakers.

The same test applies for the internal media player (see section below) by playing a track or radio station. Select "MEDIA PLAYER" on the input selector and gradually increase the media player volume (6)

Turn up the Ch1 and Ch2 volume controls to the maximum required volume level and reduce the channel volume control if necessary.

The output of each speaker channel is represented on the **SIG** and **CLIP** LEDs (21) and care should be taken that the red **CLIP** 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 output channel volume control should be turned down.

Any microphones connected should not be able to "hear" the speakers, which can cause feedback (squealing or howling) and should not be pointed towards the speakers. If this still happens, turn down the volume for that microphone and adjust Bass and/or Treble EQ controls to reduce the feedback

If the TALKOVER feature (20) is switched on, speaking into the microphone will "override" any audio playback from the selected stereo Aux, Line or Media input, which will be reduced in volume temporarily. This allows voice announcements to be heard without interference from the line inputs or media player.

In addition to input and output volume controls, there are Bass and Treble EQ controls (10, 11) to adjust the tone of the overall output. At the 12 o'clock position, these controls apply 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.

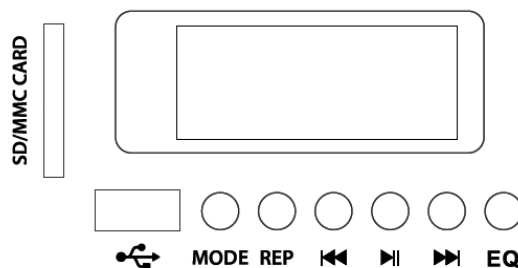
Adjust these EQ controls to suit the type of audio signal or compensate for the room acoustics.

To avoid loud pops through the speakers, turn down the Ch1 & Ch2 volume controls before powering down.

Media player

The A2 amplifier is equipped with a multi-functional media player for playback of audio files from USB or SD media, FM radio stations or Bluetooth connection. Front panel controls are as described below.

- MODE** Select between USB, SD, FM tuner & Bluetooth
- REP** Repeat mode – Random, One, Folder and All
- ◀◀** Previous track/FM station (hold for volume down)
- ▶▶** Play/Pause (Auto-tune in FM mode)
- ▶▶** Next track/FM station (hold for volume up)
- EQ** Select preset - Bass/Pop/Rock/Jazz/Classical/Normal



USB/SD media playback

Insert USB or SD media containing mp3 tracks and playback should begin automatically. The stored tracks should be standard mp3 audio format. If playback does not start, press **MODE** or **▶▶**

The display will initially show the track number and then an elapsed time counter. A USB or SD symbol will also be displayed to show which media is being used. Ensure MEDIA PLAYER is selected on the output selector (9) and turn up the MEDIA volume control (6)

Tracks may be navigated by pressing **◀◀** for the previous track and **▶▶** for the next track. Press and hold **◀◀** to reduce the media player volume or press and hold **▶▶** to increase the volume. Playback can be paused and resumed by pressing **▶▶**

Pressing **REP** sets the repeat mode: *RAN* = random, *ONE* = single track, *FOLD* = folder, *ALL* = all tracks

Pressing **EQ** sets the preset: *BAS* = bass, *POP* = pop, *ROC* = rock, *JAZ* = jazz, *CLA* = classical, *NOR* = normal

FM Tuner

The FM tuner function operates in the same way as a standard FM radio and benefits from the connection of an FM antenna to the rear panel 'F' type connector.

Press the media player MODE button until the display shows a frequency (e.g. "88.3MHz")
If auto-tuning has already been performed, the display may show a channel (e.g. "CH01")

If no channels are tuned in, press the **▶▶** button to begin auto tuning, which scans available stations and stores them as channels within the FM tuner. Pressing **▶▶** again will abort the auto-tuning.

To step through pre-set stations, press the **◀◀** or **▶▶** buttons... *CH01 - CH02 - CH03 - CH04* etc.
Press and hold **◀◀** to reduce the FM radio volume or press and hold **▶▶** to increase the volume.

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. To enable this function, it will be necessary to pair the sending device to the receiver as follows.

1. Press the media player MODE button until the display flashes "BLUE"
2. Open the Bluetooth settings menu on the smart phone or tablet (or other sending device)
3. Scan for Bluetooth devices and look for "A series" in the list of available devices (ensure that the A2 is powered on, Bluetooth mode is selected and within reception range)
4. Select "A series" and the sending device should confirm that it is connected as an audio device.
5. Play audio from the sending device, ensuring that volume controls are not turned down/muted
6. Select MEDIA PLAYER input (9) and turn up the MEDIA volume control (6) to the required level.

The ⏮, ⏭ and ▶ || buttons will operate in Bluetooth as remote playback controls. Holding the ⏮ or ⏭ buttons will adjust the output volume of the player.

If the sending device goes out of range, connection should automatically resume when back in range. Likewise, if a different mode is selected, connection should resume when Bluetooth mode is re-selected. If Bluetooth is disabled on the sending device or paired to a different receiver, it will be necessary to re-connect the sending device to the A2 from step 2 above to re-establish a Bluetooth link.

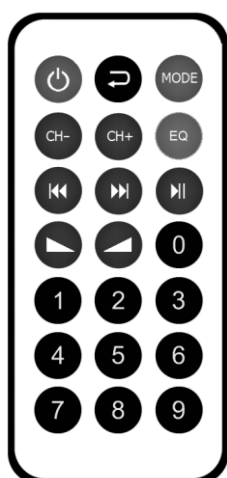
Media player remote control

In addition to front panel controls, the media player can be operated via the supplied I.R. remote handset.

As supplied, the handset will have a plastic tab at the bottom to preserve battery charge before first usage. Remove this tab by pulling away from the handset to engage the battery and activate the remote control. If this needs to be replaced, the battery compartment can be slid out from the bottom to reveal the cell. Replace the battery with a CR2025 button cell.

Point the top of the remote control towards the media player display and operate in line of sight.

Some of the controls on the remote handset mirror those on the front panel and are described below.



	Media player power on/standby button
	Repeat mode – select Random, One, Folder or All tracks
MODE	Select USB, SD, FM tuner or Bluetooth mode
CH- / CH+	Select FM radio station
EQ	Select preset EQ – Bass, Pop, Rock, Jazz, Classical or Normal
	Previous or Next track select
	Play / Pause track (auto-tune in FM tuner mode)
	Adjust media player volume down or up
0 - 9	Direct track or channel access – key in number

Specifications

Power supply	230Vac, 50Hz (IEC)
Power consumption max.	280W
Fuse	F5A, 250V
Output power rms @ 4 Ohms	2 x 200W
Output power rms @ 8 Ohms	2 x 100W
Amplifier: construction	Class D
Frequency response	20Hz - 20kHz \pm 0.5dB
Microphone inputs	2 x 6.3mm jack (mono)
Line inputs	Line 1: L+R (6.3mm jack/RCA), Line 2: L+R (RCA), Aux (3.5mm stereo)
Input sensitivity: line	0.775Vrms
Input sensitivity: aux	0.480Vrms
Input impedance	20k Ohms (balanced), 10k Ohms (unbalanced)
Audio source	USB/SD mp3 playback, FM tuner, BT receiver
Input controls	Aux, Media, Line1, Line2, Mic1, Mic2, Talkover
Line output	2 x RCA
Speaker outputs	4mm binding posts (2 channels)
Antenna connection	F type (FM tuner)
Output controls	Source select, Bass, Treble, Ch1, Ch2
Dynamic range	92dB
THD +N	<0.1%
Protection	Thermal, over-current, over-voltage, short-circuit
Dimensions	482 x 240 x 88mm
Weight	5.21kg

Troubleshooting

No power LED on control panel	Ensure IEC lead is in good condition and connected properly Ensure POWER switch is on and check mains inlet fuse
Power light and output LEDs lighting but no output	Check speaker output terminals are connected correctly Check speakers are working (test on another amp if available) Check memory device is connected properly (remove and re-insert) Check file types – standard mp3 digital audio files required Check memory device works on a PC or Mac for standard playback
Bluetooth cannot connect	Ensure that Bluetooth is enabled on sending device Ensure that the sending device is within Bluetooth range (5-10m) Check that the device is connecting to "A series"
No audio from Bluetooth device	Ensure that volume controls are not turned down on sending device Check volume and Play/Pause buttons on media player
Output too loud or distorted	Reduce MIC, LINE IN, USB/SD and/or MASTER level Ensure Hi-Z line level input(s) not connected to a Mic input
Output too quiet or inaudible	Increase MIC, LINE IN, USB/SD and/or MASTER level Check for quiet recording of media files on USB Check VOX override is not unintentionally suppressing audio playback
Feedback from microphone	Face microphone away from speakers and monitors and reduce level
Amplifier overheating	Ensure cooling vents are clear from debris and dust Ensure that the load impedance on any output channel is no less than 4 Ω



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.

Introduction

Thank you for choosing the Chord QU4 wireless system. This professional wireless set provides 4 high quality microphones with UHF radio system for freedom of movement without loss of audio quality. Please read this manual before using this item in order to avoid damage and to get the best performance from your purchase.

Package Contents

- UHF quad wireless receiver
- 19" rack ears
- 2 x antennae
- Mains power adapter
- 6.3mm mono jack lead
- 8 x 1.5V AA battery
- QU4-H version – 4 x handheld transmitters
- QU4-N version – 4 x neckband microphones + 4 x beltpack transmitters
- QU4-C version – 2 x handheld transmitters + 2 x neckband microphones + 2 x beltpack transmitters

If you find any accessory is missing or the product has arrived with any problems, please contact your retailer. This product contains no user-serviceable parts so make no attempt to try to fix or modify this item yourself as this will invalidate the warranty. We recommend you keep the original package and proof of purchase for any possible replacement or returned demand.

Warning

To prevent the risk of fire or electric shock, do not expose any of the components to rain or moisture. If liquids are spilled on any component, stop using immediately, allow unit to dry out and have checked by qualified personnel before further use. Avoid impact or heavy vibration to any of the components, dropping the microphone can cause capsule failure. No user serviceable parts inside transmitter or receiver - refer servicing to qualified service personnel.

Safety

- Ensure that the correct adapter is used with adequate current rating and that the mains voltage is as stated on the adapter
- Avoid ingress of water or particles into the transmitters or receiver
- Use alkaline or NiMH batteries in the transmitters and remove if unused for long periods
- Observe the correct polarity when replacing batteries

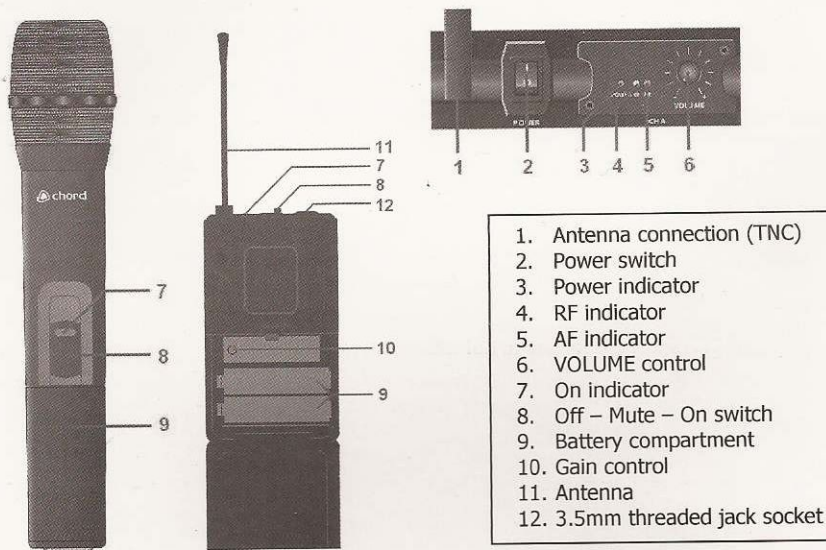
Placement

- Keep all components out of direct sunlight and away from heat sources
- Do not place heavy objects on top of the receiver or transmitters
- If rack-mounting, use the rack-ears provided and do not place heavy equipment above the receiver
- Take care to keep antennae from sticking out where they may get damaged
- Keep the transmitters and receiver away from damp or dusty environments

Cleaning

- Use a soft cloth with a neutral detergent to clean the body of the handheld transmitter and receiver.
- Lightly damp sterile wipes may be used on the microphone grilles for hygiene purposes
- To avoid damage, do not use solvents to clean the components

Control Layout



Setting Up

Insert the supplied AA batteries into the handheld or beltback transmitters by carefully unscrewing the base or flipping forward the front cover to reveal the battery compartment inside the transmitter body, connect the batteries (ensure + and - are the correct way round for each cell) and carefully replace the cover. Connect neckband microphones to the relative beltback transmitters by connecting and screwing in the 3.5mm jack plug fully.

Screw on the front-mounted TNC antennae and position the receiver within the best available line of sight to the transmitter(s). Connect the DC jack of the supplied power adapter to the receiver and the plug top to the mains outlet. Turn microphone level(s) down on the receiver.

A choice of mixed output of all 4 microphones on 6.3mm jack or individual balanced XLR outputs is available on the rear panel of the receiver. Connect jack or XLR (optional) leads to the relative output connector(s), turn down the volume of any equipment (mixer, amplifier etc.) that the signal will be fed into and then connect the jack or XLRs to the equipment.

Warning! - take care not to point microphones towards speakers – this can cause damaging feedback (loud whistle or howling noise) – try to point microphones away from the speaker cabinets.

Operation

Switch on power to the receiver unit and check that the red power LED is lit on each channel (if not, turn the VOLUME rotary control just past the zero point).

Move the switch on the first handheld or beltback transmitter to the first notch (MUTE) – the LED should light momentarily. Move on another notch (Fully ON) and gradually increase the microphone level on the receiver, then increase the volume on the mixer or amplifier until the sound from each microphone can be heard through the equipment. Repeat for the other 3 microphones. (Note: if output is low from neckband microphones, it may be necessary to adjust Gain control inside the beltback unit).

During use, it may be useful for the reception of the microphone to be muted for a short period of time (e.g. to avoid feedback when walking across the front of a speaker or avoid handling noise when placing the microphone down momentarily or adjusting a neckband microphone). In these circumstances, it may be better to move the transmitter switch to the "MUTE" position, which maintains the radio frequency carrier signal but mutes the microphone input. When this switch is moved back to the "ON" position, the sound will be immediately restored without waiting for the radio signal to be reinstated.

If the wireless system is not to be used for more than a few seconds, it is preferable to slide the transmitter switch to the "OFF" position, which mutes and deactivates the radio signal and powers down the transmitter. Be sure to turn down the volume of the mixer or amplifier and then switch off the receiver.

Unplug signal leads from the receiver and mixer or amplifier when moving or packing away. If the system is not to be used for long periods of time, remove the batteries from the transmitters and unplug the power adapter from the receiver and the mains outlet. Folding away or removing the antennae can also help avoid damage when the system is not in use.

Specifications

Power supply	12 - 18Vdc 800mA adaptor (supplied)
Batteries	8 x AA (included)
Carrier frequency	863.42, 864.99, 864.30 and 863.01MHz
Stability	10PPM
S/N ratio	>105dB
THD	<0.5% @ 1KHz
Image rejection	85dB typical
Range	60m (max)
Output impedance	2.2k ohms
Output level	Balanced: 0-400mv, unbalanced: 0-200mv
Connectors	DC in, 4 x XLRM, 6.3mm jack
Dimensions - handheld transmitter	243 x 48mmØ
Weight - handheld transmitter	238g (no battery)
Dimensions - beltback transmitter	205 x 68 x 25mm
Weight - beltback transmitter	76g (no battery)
Dimensions - receiver	483 x 44 x 225mm
Weight - receiver	3.8kg

Troubleshooting

"POWER" LED does not light on receiver	Ensure power adapter is connected to mains and working properly
	Ensure receiver is switched on
"POWER" LED is lit but no "RF" or "AF" LEDs	Ensure transmitter is switched on
	Check that transmitter is not out of reception range
	Check that transmitter batteries are good / charged
"POWER" and "RF" LEDs are lit but no "AF" and no sound	Check that transmitter switch is not in "MUTE" position
	Ensure transmitter has good / charged batteries
	Ensure there is no other nearby transmitter with the same frequency
All LEDs lit but no sound from mic	Make sure receiver is properly connected to mixer / amplifier
	Ensure that receiver and amplifier/mixer channel volumes are turned up
	Turn down VOLUME on receiver
Microphone output is very loud or distorted	Reduce Gain on beltpack transmitter
	Reduce Gain on mixer / amplifier
	Ensure that XLR output is not fed to a Line input
Microphone output is very low	Turn up VOLUME on receiver
	Increase Gain on beltpack transmitter
	Increase Gain on mixer / amplifier
	Ensure that Jack output is not fed to a Mic input
	Check transmitter batteries

CE

DISPOSAL:



Please dispose of the unserviceable device according to the current statutory requirement

*Errors and omissions excepted.
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