QAMP3204

Instruction Manual

QAMP3204 Instruction Manual
Version 1.0
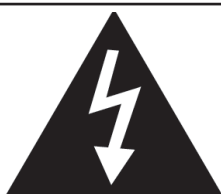
	CAUTION - ATTENTION - VORSICHT	
	RISK OF ELECTRIC SHOCK- DO NOT OPEN RISQUE D'ELECTROCUTION- NE PAS OUVRIR STROMSCHLAGGEFAHR- NICHT OFFNEN	

In Compliance with the following directives: RoHS Directive (2002/95/EU) and WEEE Directive (2002/96/EU)
If this product is no longer functional or reaches the end of its usable life, please take it to an approved recycling plant.

Introduction:

Dear Customer,
Thank you for purchasing the QAMP3204 1-2 Zone Mixer Amplifier. For your safety and to ensure you make full use of the product's features, please make sure you read this manual in full.

Safety Advice:
- Read this manual in full before operating this product.
- Keep this manual in a safe place for future reference.
- Heed all warnings and instructions, both in this manual and on the product.
- In the event of serious operating problems, stop using the appliance and contact your dealer immediately.
- It is prohibited to make unauthorized modifications to this unit.
- Carry and transport this product with care. Dropping this product may result in serious mechanical failure.
- Keep the unit away from children.
- Inexperienced persons should not operate this device.
- The manufacturer accepts no responsibility for injury or damage caused as a result of not following the manual provided.
- This unit is for indoor use only.

Protection from Electric Shock:
- Only connect this unit to a mains socket with suitable breaker and RCD protection.
- To disconnect from the mains socket, always remove by the mains plug. Do not attempt to remove by pulling the mains cable.
- Disconnect the unit from the mains supply before cleaning. Cleaning should be carried out with a soft, dry cloth.
- Do not expose the interior of this unit to any liquids or metal objects. If a foreign object enters the unit, immediately disconnect the mains power.
- Do not operate near exposed water or in high humidity. Allow unit to adapt to surrounding temperatures before switching on, when bringing into a warm room after transport. Condensation inside the unit, may lower the product's performance and/ or cause damages.
- Choose a suitable route for all cables, ensuring trip hazards are avoided and the cables are not at risk of being crushed.
- Do not open this unit to service. There are no user serviceable parts inside. Any servicing or repairs should be carried out by a qualified engineer only. Any attempt to service or adapt this unit will leave your warranty void and could result in serious malfunction or injury.
- Should you need to replace the power fuse, do so with identical size and rating.

Protection from Fire:
- Keep unit away from naked flame sources, such as candles.
- Do not cover or block any ventilation holes (>5cm away from nearest object).
- Prevent use in dusty environments and clean the unit regularly.
- Check your AC wall socket will take the power you are applying to avoid overloading the mains supply.
- Maximum safe ambient temperature is 40°C. Don't use this unit at higher ambient temperatures.
- Unplug the unit before servicing and when it is not in use.
- The power cord should always be in perfect condition. If the cord is squashed or damaged, switch the unit off immediately and contact the manufacturer for a replacement cord.
- The socket inlet must remain operable for disconnection from the mains.
- Never let the power cord come into contact with other cables.
- When the Power Switch is in the OFF position, the unit is not completely disconnected from the mains.

Introduction:

Contents & Unpacking:

Before beginning your initial setup, check the unit has not been damaged in transit and all parts below are supplied. In the event there is damage to the housing, cable or internal components, contact your dealer immediately.

Included in the Box:	Amount
QAMP3204 Main Unit	1 piece
Mains Cable	1 piece
FM Antenna	1 piece
IR Remote Control	1 piece
Micro SD Card for Chime Player [already inserted inside unit]	1 piece
Bluetooth Antenna Front-Mount Kit	1 piece

Introduction:

The Q Audio QAMP3204 is a robust low-impedance installation amplifier, delivering powerful stereo output with 2 x 100W at 8 Ohms or 2 x 160W at 4 Ohms RMS. Designed for professional installations in bars, restaurants, gyms, and schools, it features a versatile mixer section that accommodates one music source and three microphone inputs.

The music source can be selected from an internal media player or three external line inputs, with gain control and an additional 3.5mm front-panel jack for easy connectivity. The internal media player supports an FM tuner, Bluetooth receiver, USB drives, and SD cards up to 16GB (approximately 2000 songs), displaying MP3 filenames on a large LCD screen. It offers standard and random play modes, elapsed/remaining time display, and FM tuner with RDS information. Additionally, a jingle player supports up to three jingles, which can be scheduled or triggered via front-panel switches—ideal for announcements and advertising.

Each microphone input is equipped with phantom power, an isolation transformer (Mic 1 only), low-pass filter, rear-panel gain control, and front-panel volume, EQ, and on/off switch. An adjustable auto talk-over function reduces music volume during announcements, ensuring clear audio for important messages.

The master section includes a 2-band EQ, a 5-LED output level meter, and a maximum level control located on the rear panel. It supports remote volume control through an external potentiometer (QWALLV1, sold separately) and incorporates a chime sound generator with adjustable volume, external trigger, and user-loadable sounds via memory card.

For zoning, the QAMP3204 provides a dedicated zone section with independent volume control, assignable to either the master signal or one of the rear line inputs. The two amplifiers can be configured for either the master left/right signal or mono master and mono zone signals. Each amplifier block includes an internally selectable 80Hz high-pass filter to optimise audio output for smaller background speakers. Speaker outputs are provided on binding posts.

The amplifier also includes an emergency priority input and output mute contact for external muting and emergency message prioritisation.
Housed in a durable 19" 2U metal enclosure with detachable rack ears, the QAMP3204 ensures reliable performance and easy installation.

Features:

- 2x 160W Mixer Amplifier 4 Ohms
- Mixer Section with 1x Line Level & 3x Microphone Sources
- Internal Media Player, Tuner, USB, SD Cards and Bluetooth
- MP3 File Name Readout
- Jingle Player with up to 3 Jingles
- Adjustable Auto Talk-Over
- Noiseless Convection Cooling
- Binding Post Speaker Outputs
- Emergency Priority Input and Output Mute

Technical Specifications:

Product	QAMP3204
Power (RMS) Stereo	2 x 100/160 @ 8/4 Ohms
Signal/ Noise	> 82dB (Line)
Crosstalk Damping	> 65dB (Line)
THD	< 0.05% (Line)
Frequency Response	20Hz - 20kHz
AC IN (23OV Setting)	AC220 - 250V ~ 50Hz
AC IN (115V Setting)	AC110 - 120V ~ 60Hz
Power Consumption	max. 350W
Dimensions	88.5mm x 483mm x 228mm (H x W x D)
Weight	8.85kg

Installation Guidelines:

- Install the unit in a well-ventilated location, where it will not be exposed to high temperatures or humidity.
- Placing and using this unit near heat-generating sources will affect its performance and may even damage the unit.
- The unit can be mounted in 19-inch racks. Attach the unit using the 4 screw holes on the front panel. Be sure to use screws of the appropriate size (screws not provided).
- Take care to minimize shocks and vibrations during transport.
- When installed in a rack, please make sure to have good ventilation, to keep the unit as cool as possible.

Cleaning and Maintenance:

Clean by wiping with a damp cloth. Avoid getting water inside the unit. Do not use volatile liquids, such as benzene or thinner, which will damage the unit.

Product Configuration Setup:

IMPORTANT NOTICE:

THE FOLLOWING CHAPTER CONTAINS WORK ON AN OPEN UNIT- WITH CONTACTS, WIRES AND PARTS CARRYING LIVE VOLTAGE EXPOSED.
ALL WORK BELOW SHOULD BE CARRIED OUT BY A QUALIFIED TECHNICIAN.
IF YOU DO NOT HAVE THE REQUIRED QUALIFICATION,
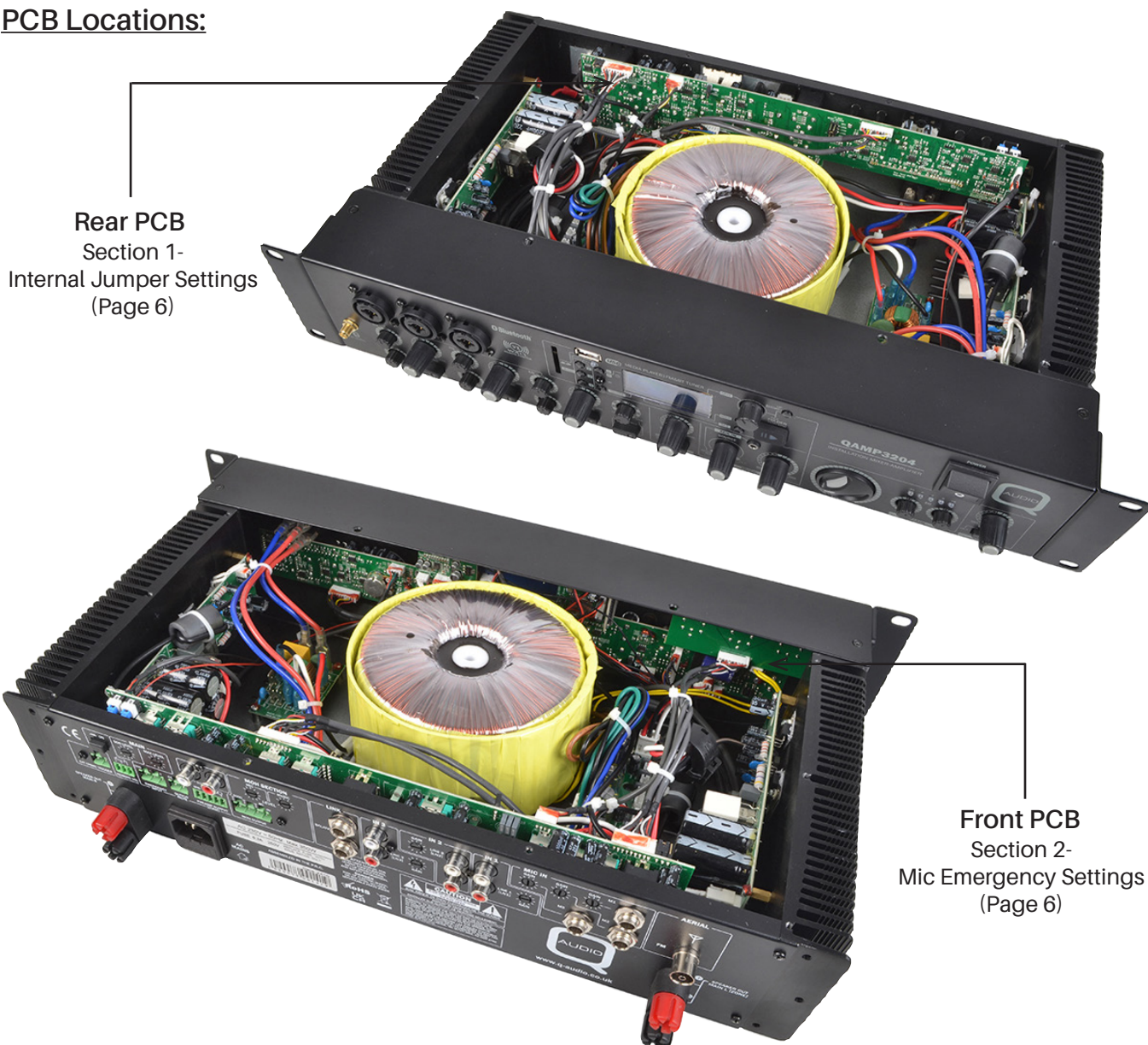**CONTACT YOUR DEALER TO MAKE THESE SETTINGS FOR YOU.**

UNIT MUST BE DISCONNECTED FROM THE AC POWER SUPPLY.
THE MANUFACTURER TAKES NO LIABILITY
FOR DAMAGE TO HEALTH OR GOODS
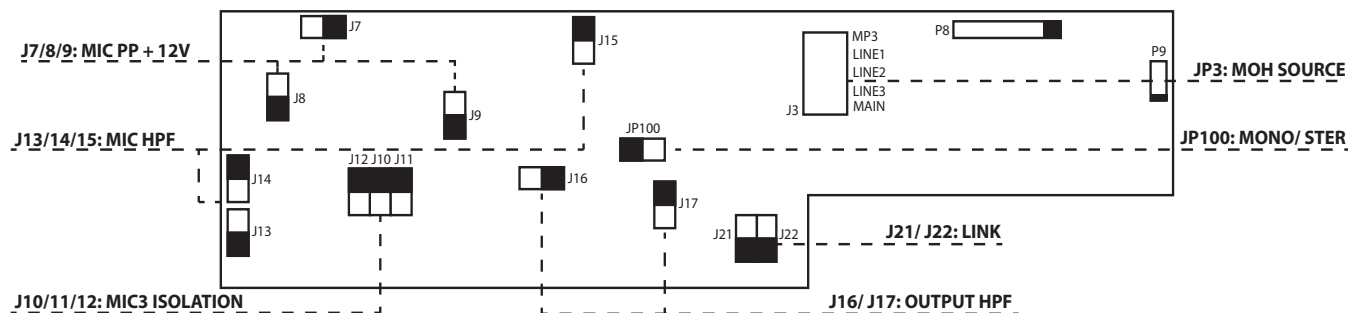**FROM FAILURE TO FOLLOW THE MANUAL'S INSTRUCTIONS.**

Before using your QAMP3204, it must be configured to match the application. All work must be carried out by a qualified technician. The unit must be unplugged from the AC mains before work is carried out. Remove the top cover to gain access to the internal PCBs, then set the switches and jumpers and arrange connections as shown below.

PCB Locations:

Rear PCB
Section 1-
Internal Jumper Settings
(Page 6)

Front PCB
Section 2-
Mic Emergency Settings
(Page 6)

Product Configuration Setup:

Section 1- Internal Jumper Settings:

J7/8/9: MIC PP + 12V
J13/14/15: MIC HPF
J10/11/12: MIC3 ISOLATION
JP3: MOH SOURCE
JP100: MONO/ STER
J21/ J22: LINK
J16/ J17: OUTPUT HPF

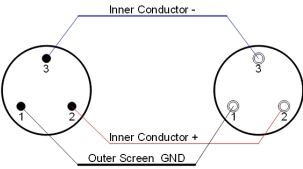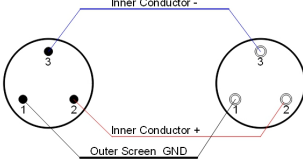| Jumper	Function
7/8/9	Enable or disable a +12V DC Phantom Power Supply to the microphone inputs, separately to each microphone. Default Setting: disabled.
13/14/15	Enable or disable a 100Hz High Pass Filter, separately for each microphone. Default Setting: disabled.
10/11/12	Enables transformer isolation for the Mic3 Input. This decreases the sensitivity of the MIC Input by 10dB. If transformer isolation is NOT required, position all 3 Jumpers to OFF Position. (Factory default). If transformer isolation IS required, position all 3 jumpers to ON Position.
JP3	Sets the source for the MOH Output. Default Setting: LINE1.
JP100	Sets stereo or mono mode for the output. Default Setting: Stereo.
JP21/22	Determines whether the signal at the SL stereo link pre-amp output is affected by the emergency signal. Default Setting: Enabled.
JP16/17	Enable a 75Hz HPF for Line Output Transformer operation. Default Setting: OFF.
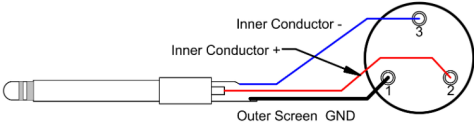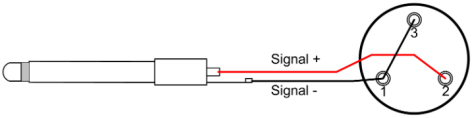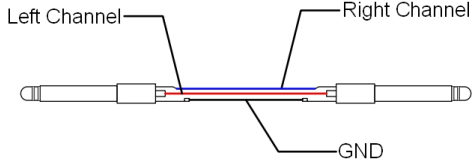
Section 2- Mic Emergency Settings:
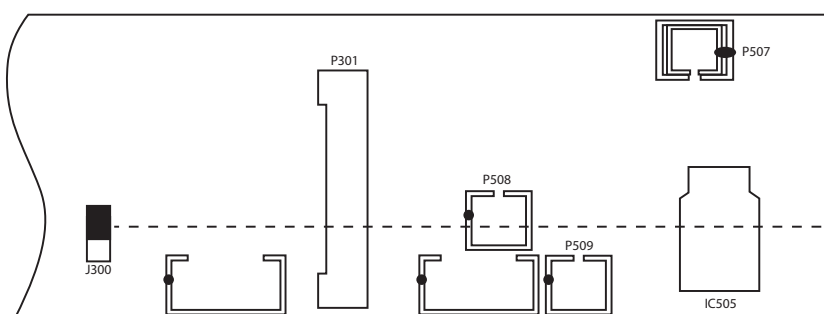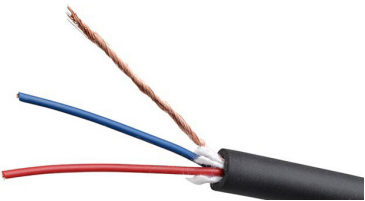
J300- MIC Emergency:
Determines whether the mics remain active when an emergency signal is present at the emergency input.
Default Setting: Active.
Move jumper to de-activate internal mics in emergency.

Connections:

This unit uses the connector types shown in the table below. To ensure proper operation, make sure to use good connectors and cables. Balanced operations are preferable over unbalanced connections, where applicable. If unbalanced connections are used, avoid exceeding 2m of cable length for this connection.

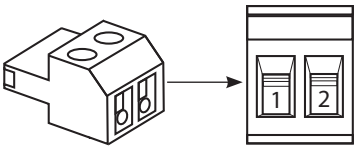|	Structure	Balanced Connection	Unbalanced Connection
XLR MALE	Inner Conductor − / Inner Conductor + / Outer Screen GND	RED= 2 BLACK= 3 SHIELD= 1	RED= 2 SHIELD= 1+3
XLR FEMALE	Inner Conductor − / Inner Conductor + / Outer Screen GND	RED= 2 BLACK= 3 SHIELD= 1	RED= 2 SHIELD= 1+3
6.35MM TRS - STEREO	Inner Conductor − / Inner Conductor + / Outer Screen GND	RED= TIP BLACK= RING SHIELD= SLEEVE	RED= TIP SHIELD= SLEEVE+RING
6.35MM TRS - MONO	Signal + / Signal −	RED= TIP BLACK= RING SHIELD= UNCON	RED= TIP SHIELD= SLEEVE
3.5MM TRS - STEREO	Left Channel / Right Channel / GND	RED= TIP BLACK= RING SHIELD= SLEEVE	RED= TIP SHIELD= SLEEVE + RING
RCA	Signal / GND	RED= TIP BLACK= SLEEVE SHIELD= UNCON	RED= TIP SHIELD= SLEEVE
PHOENIX COMPATIBLE CONNECTOR	1 2	N/A	RED= 1 BLACK= 2

2- CONDUCTOR SHIELDED CABLE
(BALANCED CONNECTIONS)

1- CONDUCTOR SHIELDED CABLE
(UNBALANCED CONNECTIONS)

Controls and Connections:

Connections - Rear:

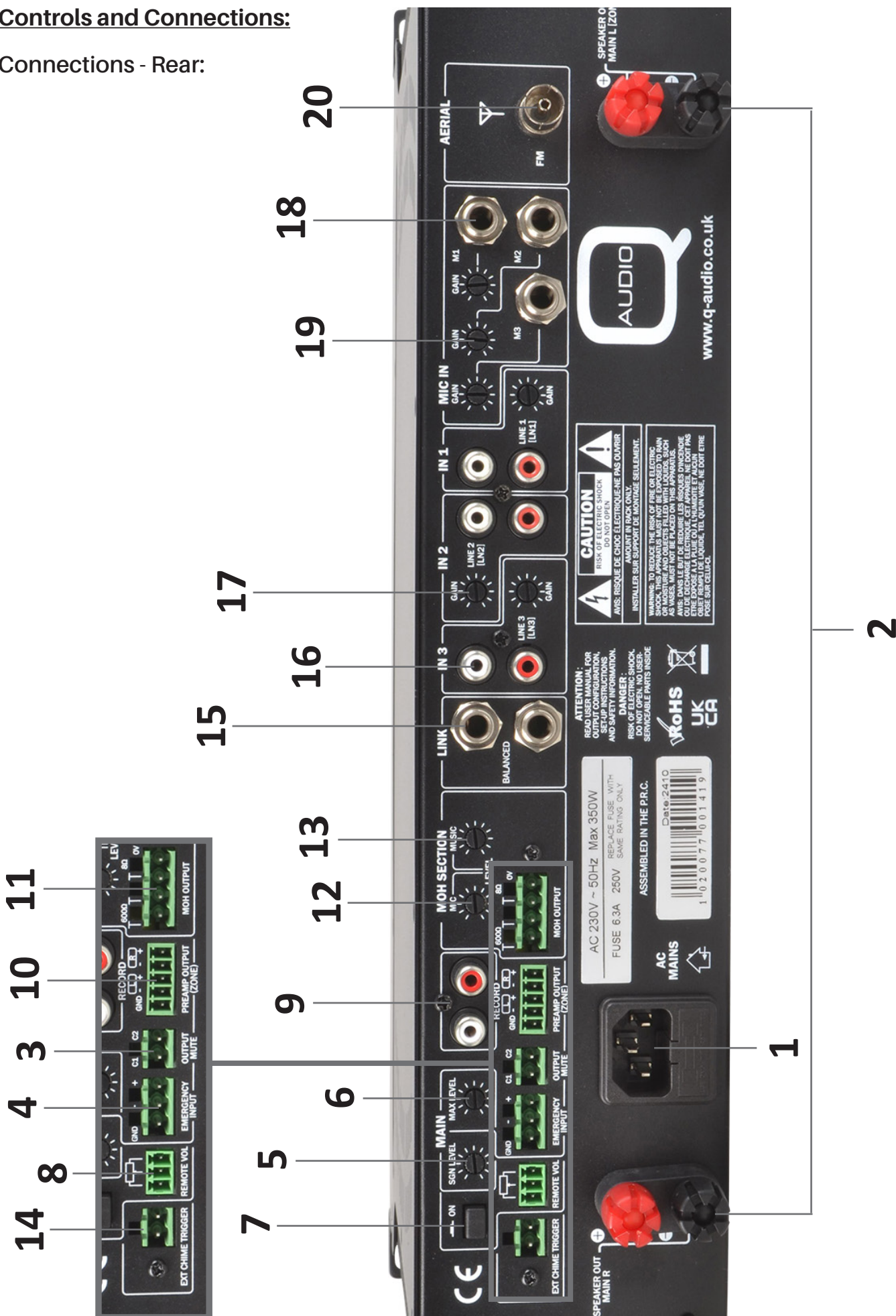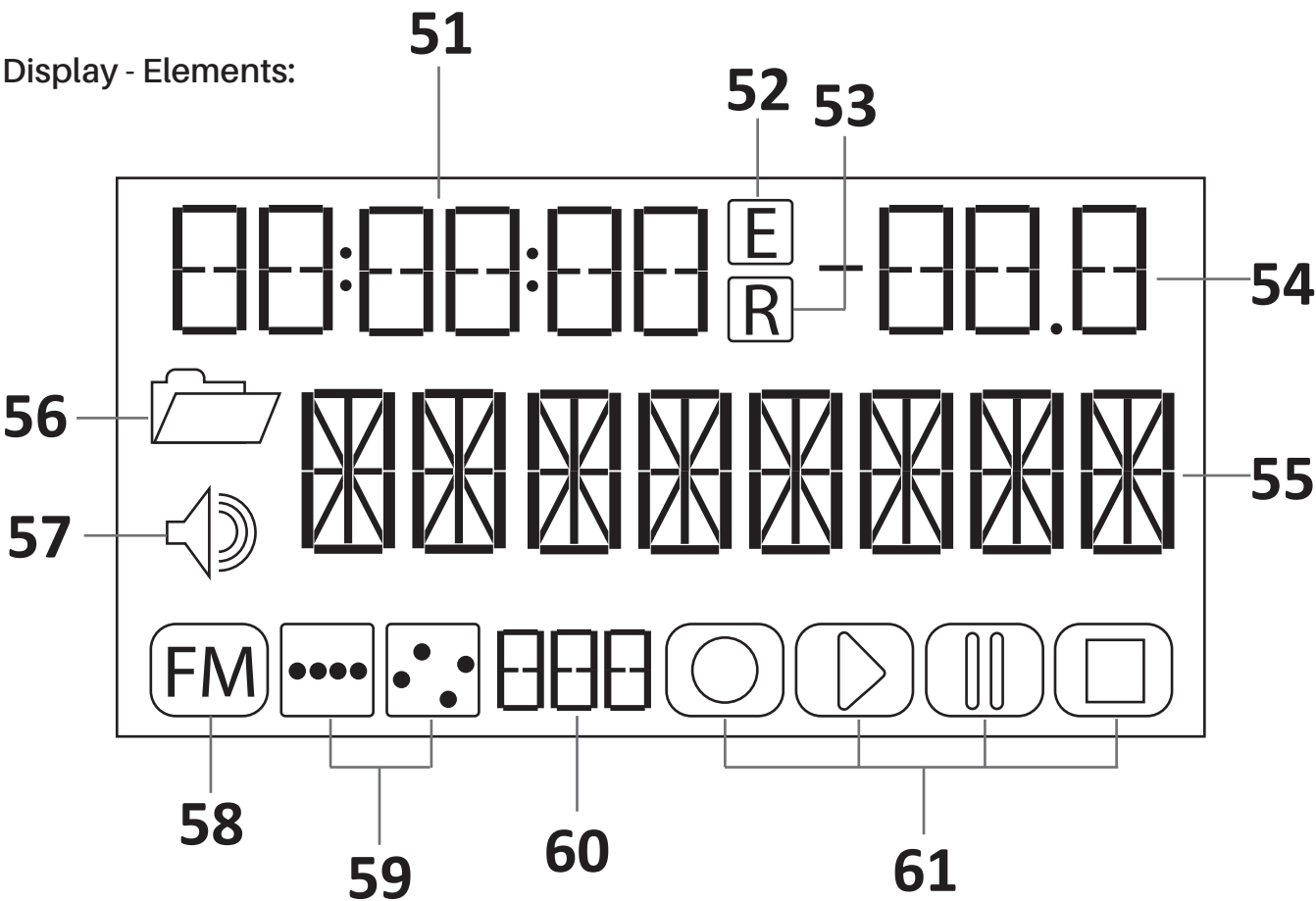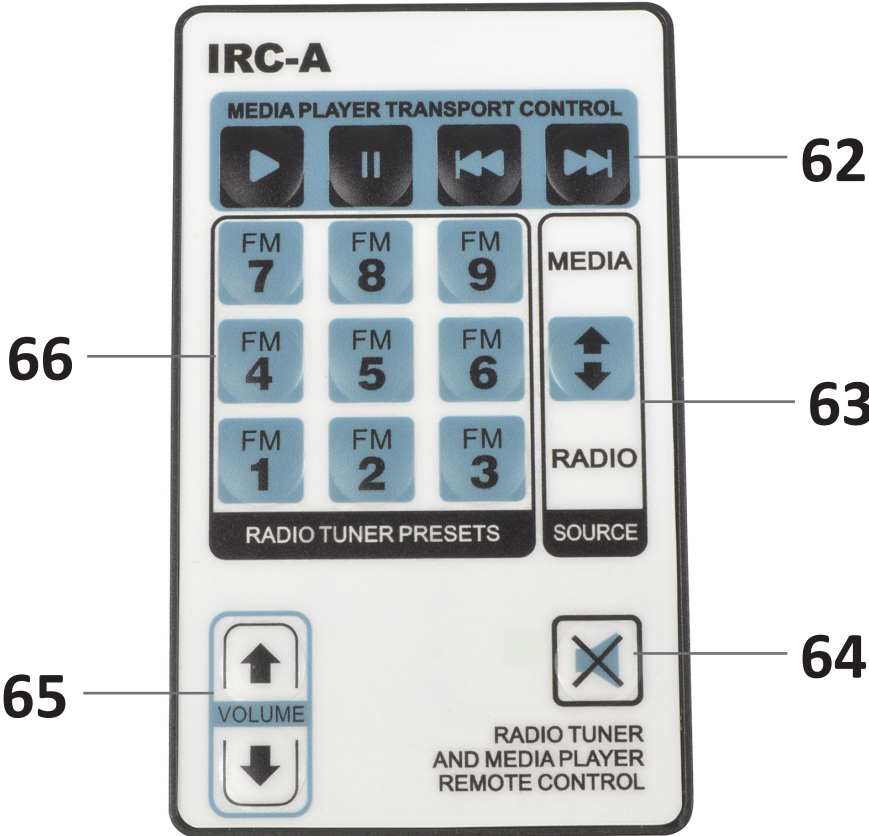| No.	Function
1	AC Inlet and Fuse Holder- Use AC Cord to connect the unit to the mains.
2	Speaker Outputs- Low-impedance outputs for speaker connection. Not suitable for speakers with 100V Line transformers. Speakers must have a minimum nominal imedance of 4 Ohms. These outputs carry voltages which can present a risk electric shock; thus only connect speakers when unit is off.
3	Output Mute Connector- Terminal Block Input which remotely mutes all output signals.
4	Emergency Input- Balanced Terminal Block Input which connects to an emergency evacuation system. Once a signal is present, all outputs will be muted and the emergency message/ signal will be audible instead. NOTE: Internal microphones may or may not be included in this depending on J300 Jumper Setup (see page 6).
5	Emergency Volume Control- Set the level the emergency input will play on the speakers and the Stereo Link Pre-Amp Output.
6	Maximum Volume Control for MAIN Speaker Output- Limit the maximum output volume which the user can set with the front panel MAIN Volume Control.
7	Remote Enable Switch- Enable the remote volume control (QWALLV1) and disable the internal main volume control on the unit.
8	Volume Remote Control Input- Connecting a passive wall control panel (QWALLV1).
9	Record Output- Unbalanced stereo output, carrying the same signal as the main output, but not influenced by the main volume control. This is normally used for recording the output to an external tape, CD or memory device.
10	Preamp Output- Terminal Block carrying a Balanced Line Level Signal. Determined by the zone controls (39 and 40), which can be the same as the main output, or selected via switch (39) to be the Line1 or Line2 input signal.
11	MOH SIgnal Output- Feeds the Music on Hold Output of a telephone system.
12	MOH MIc Level Control- Adjusts the microphone level to the MOH Signal. For pure MOH applications, turn the dial to zero.
13	MOH Music Level Control- Adjusts the music level to the MOH signal. The music signal source is selected by internal jumper JP3 (see page 6).
14	External Chime Trigger- Remotely invoke the internal Chime Sound by closing these contacts.
15	Stereo Link (SL) Preamp Output- Carries a balanced line level signal. The signal is the same as the MAIN speaker output but on line level, in stereo and unaffected by the MAIN volume controls.
16	Line Inputs- 3 Pairs of RCA Input Jacks. One of the signals fed into these inputs is the music source via the source selector (33) and controllable in its volume via the music volume control (35). The input gain is adjustable via controls (17).
17	GAIN control for input channels- Allowing the sensitivity for every line input to be adjusted, so that the output sources can be played at properly balanced levels.
18	Microphone inputs (rear side)- Balanced 1/4" TRS connectors which can be internally set to carry phantom power (+ 12V DC) or not. Usable with both condenser and dynamic microphones. Note: these inputs are paralleled with the front-side mic inputs, and thus can only be used when the front input is not in use.
19	GAIN control for mic inputs- Adjust sensitivity of the input for microphones use.
20	Aerial Socket- Plug in the supplied FM Antenna or any suitable antenna cable of the house installation here.
21	Bluetooth Aerial Socket- Plug in and secure (turning the threaded cover) the BT Antenna here. Only use the BT Antenna supplied. Do not operate the BT function without the mounted antenna, as this affects the operation range.

Controls - Front:

No.	Function
22	Microphone Inputs (front side)- see no.18
23	Microphone Volume Controls- Adjust the volume of the microphones connected to the inputs.
24	Microphone On/Off Switches- LED indicates enabled status.
25	Microphone Equalizer- Adjust tonal balance for each microphone input separately in two voice-specific frequency bands with an adjustment of ±10dB.
26	TALKOVER On/Off Switch- When switched on, reduces the music level automatically when microphone is used. The amount of damping is controlled by (27).
27	TALKOVER Damping Control- Controls the amount of damping applied when TALKOVER mode is in use. Clockwise turn for more attentuation.
28	Chime Switch- Invoke replay of the stored Chime Sound.
29	Chime Volume- Adjusts the volume of the Chime Sound Replay.
30	MUSIC Source Selector- Choose any of the rear 3-side Line Inputs to be the music source or internal media player. A front side 3.5mm TRS input can also be the source, which replaces the media player if something is plugged into that socket.
31	AUX (MP3) Socket- When jack is plugged into the socket, this replaces the internal media player (see above).
32	MUSIC Volume Control- Controls the level of the source from component (30).
33	MAIN Volume Control- Set the level of the MAIN output signal.
34	MAIN Equalizer- Adjust tonal balance for each MAIN output separately in two voice-specific frequency bands with an adjustment of ±10dB.
35	MAIN Level Meter- If the meter indicates full volume, but the output appears low, check the setting of the rear-side maximum volume control (6).
36	ZONE Source Selector Switch- Determines the source for the ZONE Signal- MAIN, LINE1 or LINE2. Available at the Pre-Amp/ Zone Output (10).
37	ZONE Volume Control- Set the level of the ZONE Signal (see above- component 36). Available at the Pre-Amp/ Zone Output (10).
38	Power Switch- Switches the unit on and off.
39	SD Card Slot- If a USB and SD Card are inserted, the last inserted will take priority.
40	USB Memory Socket- Does not support USB Hard Drives.
41	Media Player Display- Shows media information.
42	Data Dial- In Media Mode: Turn and Press to Select and Play Media / In FM Mode: Press and then Turn to find a frequency/ station, stop turning on station to activate the choice.
43	Store Button- Media Mode: Press to go to Folder Level, then navigate by data dial / FM Mode: Store a new station preset, choose frequency scroll mode by pressing (42). Press (43) once to display the station preset you wish to store the frequency at. Choose the preset by turning (42) and pressing (43) again.
44	Media PLAY/ PAUSE/ STOP button- Media Mode Only: Press briefly to Play and Pause. Hold for 2 seconds to STOP media. Restart by pressing the button again.
45	Play Sequence Selector- Media Mode Only: Select between straight play sequence (next song is determined by alphanumerical sorting) or random play sorting.
46	Play Mode Selector- Select between: Single Play (SPL), Single Loop (SLO), All Continuous (ACO) and All Loop (ALO).
47	Time Display- Media Mode Only: Selects between elapsed and remaining time of current track.
48	IR Receiver Sensor- When using IR Remote, make sure this sensor is unobstructed.
49	SOURCE Button- Toggles between Media Play and FM Tuner.
50	JINGLE Buttons- Available in Media Mode and FM Tuner Mode- mutes the current program to play a programmed Jingle (see page 15).

Controls and Connections:

Display - Elements:

51

52 **53**

54

56

55

57

FM

58

59

60

61

Remote Control - Elements:

IRC-A

MEDIA PLAYER TRANSPORT CONTROL

62

FM 7 FM 8 FM 9

MEDIA

66

FM 4 FM 5 FM 6

63

FM 1 FM 2 FM 3

RADIO

RADIO TUNER PRESETS

SOURCE

65

VOLUME

64

**RADIO TUNER
AND MEDIA PLAYER
REMOTE CONTROL**

Controls and Connections:

No.	Function
51	Time Display: In Media Mode: Remaining or elapsed time are displayed, depending on setting of component (47) / FM Mode: (Station Scroll Mode)- The station preset number is displayed, (Frequency Scroll Mode)- Remains blank.
52	Time Mode Display - Elapsed (Media Mode Only): Elapsed time of current track.
53	Time Mode Display - Remaining (Media Mode Only): Remaining time of current track.
54	Numeric Data Display: Not used on this product.
55	8-Digit Clear Text Readout: In Media Mode: Name of currently playing track is shown / FM Tuner: RDS Station Name or Current Tuned Frequency is displayed.
56	Folder Name Display Indicator (Media Mode Only)- Shows Folder Name.
57	File Name Display Indicator (Media Mode Only)- Shows File Name.
58	Source Mode Indicator- Shows if the unit is in Media Play or FM Mode.
59	Play Sequence Indicator (Media Mode Only)- Shows whether unit is set to play a sequential or random sequence.
60	Play Mode Indicator (Media Mode Only)- Based on the selection made by control (49), this part of the display shows the letters "SPL", "SLO", "ACO" or "ALO".
61	Transport Status Indicators (Media Mode Only)- 3 standard symbols indicate PLAY, PAUSE or STOP status. The 1st indicator is not used in this product.

No.	Function
62	Transport Controls (Media Mode Only)- Play, Pause, Next and Previous buttons to navigate through tracks.
63	Source Button- Toggle between Media Player and FM Tuner.
64	Mute Button- Mute and Unmute Media Player Output.
65	Volume Control- Turn up/ down the audio volume of the media player.
66	FM Preset Station Buttons (FM Mode Only)- Remotely activate the stored FM station presets. Manual tuning via IR Remote is not possible.

Using your Product- The Basics:

Operation Basics:

Connections:
When connecting this unit to AC mains, please note:
- Check whether the AC mains voltage and frequency matches the product's specification (rear panel). If the specified voltage does not match your AC plug, do NOT plug it in and contact your dealer immediately.
- Do not operate the unit without the earth ground cord connected.

To ensure good audio signal connections, always use good cables. Poorly soldered cables may result in loss of sound quality or intermittent audio signals.

Powering Up:
To protect your equipment, it is important you follow the proper power-up sequence. Follow the procedure below:
- Turn down all output volume controls of any equipment in your audio system.
- Switch on your audio sources first (Tuners, CD Players, PC's etc.)
- Switch on this unit and set it to the desired audio source.
- Turn up the audio level on your sources if such controls are provided.
- Set the MAIN and ZONE volume controls of this unit to a low level.
- Make adjustments to all volume settings as needed.

For switching off, complete the sequence in reverse, always switch this unit off before the connected audio sources.

Use:
Level setting mistakes are one of the most common reasons why equipment is not performing as desired. For setting levels, please follow these two guidelines:
- Avoid distortion by leaving some headroom. Ensure audio inputs are never overrun. This can be monitored by looking at the level meters and displays.
- Use as little attenuation as possible to avoid unnecessary amplification.

By following these steps, you are marking a levelling window that the operator must match to achieve a good sound with as little distortion and noise as possible.

Information on Files, Folders and Data Conventions:
The media player section built into this unit is a hardware player and is subject to various restrictions:

Media Memory Types: SD Cards and USB Sticks up to 16GB in size. Formatted in FAT32 File System and contain a maximum of 2000 files. NOTE: Larger memory sizes, external hard disks or any media with NTFS Formatting is not supported.

Media File Types: The player's replay ability is limited to MP3 Files.

File/ Folder Structure: The player only allows a two-layer folder structure. Subfolders will be ignored. Playable files located in the root layer are displayed as "ROOT", although this folder does not physically exist in the solid state memory media.

Folder Sorting: Folders are displayed in the order of their creation dates. To create a sequence, folders must be created in the sequence first, before uploading MP3 files.

File Sorting: Files are stored alphanumerically using the first 8 digits.

Using your Product- Product Features:

File System Cache: To allow quick access to the file directory during navigation, the player loads a copy of the file directory to its own memory, when the solid media state is inserted. A countdown will be displayed. The time required is about 4 seconds per 100 tracks; meaning the maximum 2000 tracks should take 80 seconds.

Discard Files/ Folder Names: MP3 Files are displayed with the first 30 digits of their file names in a scrolling manner; digits exceeding the first 30 will be ignored. NOTE: The display data is the file name and not the ID3 tag of the file.
Folders are displayed with the first 10 digits of their names; any exceeding digits will be ignored.

Jingle Commercial Player:
This unit contains a jingle player with a one-shot mode for teasers and a scheduled mode for commercial purposes (like playing advertisements in a certain sequence).

How to use your Jingle Commercial Player:
•   Create a folder with EXACTLY this name (inc. capital letter 'J'): Jingles
•   In this folder, you will save your Jingle and Commerical files using the following name rules:
•   Standard naming: jX_YY.mp3
Where: X= the number of the jingle/ commercial (1, 2 or 3).
and YY= the number of minutes "music playback" before the commercial starts playing.

For example- Scheduled Playback:
File name: j1_20.mp3, is the 1st Jingle to play, after 20 minutes of music.
Then j2_30.mp3, will play after Jingle 1's cycle + 30 minutes of music.
Followed by j3_10.mp3 which will play after all of the above + 10 minutes of music.

Manual Playback: Jingles can also be manually played at any moment, simply by pushing one of the three Jingle Buttons on the unit.

Remote Volume Control:
The QAMP3204 can also be used with the QWALLV1 Wall Panel. This allows for remote volume control. Using a 2 core shielded audio cable, wire the cable end into the 3 Pin green connector and other into the 3 Pin connector on the volume control PCB, using the correct wiring. Plug the 3 Pin connector into the socket labelled 'Remote VOL' (8) on the rear of the unit. Pressing the remote volume switch (7) will allow the remote volume control (7) will allow the remote control to be used instead of the master volume control.

15
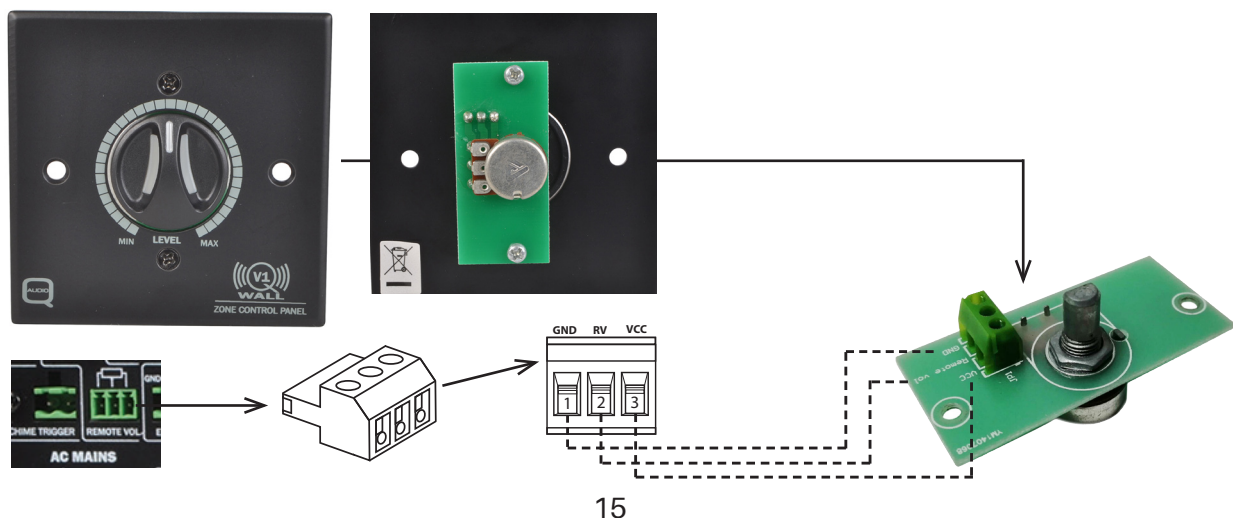
Using your Product- Product Features:

Bluetooth Replay (only versions with built-in Bluetooth Receiver):

The QAMP3204 features an in-built optional Bluetooth module. This cannot be retrofitted and may be subject to territorial restrictions.

To connect a Bluetooth source (e.g. smartphone) to your QAMP3204, follow these steps:
- Press the Source Button [52] until display shows "AUX-BT".
- Activate Bluetooth on the Source Device.
- Search/ Scan for Devices on the Source Device.
- Search "Bluetooth Board" and confirm connection request.
- Wait for single beep from the QAMP3204.
- The devices are now paired (QAMP3204 can now receive audio via Bluetooth from the device). NOTE: The QAMP3204 will only support the pairing of one device.

To Disconnect a Device:
- Tap on existing Bluetooth connection on your Source Device.
- Wait for dual-tone beep from QAMP3204.
- The devices are now unpaired and the QAMP3204 can be paired with another device.

NOTE: The maximum distance of operation between your source device and QAMP3204 will vary depending upon position of the two items, interfering signals and the antenna/ bluetooth hardware of the source device. While Bluetooth should work up to 10m distance, certain hardware combinations, geometrical setups or the presence of interfering signals can reduce this significantly. The manufacturer of this device does not grant any specific operating distance.

Chime Player Sounds:
The QAMP3204 has pre-installed chime sounds, which can be started by the Chime Player Controls on the Micro-SD Card. However, this sound can be changed.

Changing the Chime Sound:
To change the chime sound, you must first open the unit. Disconnect from AC mains and consult a qualified technician. When the unit is open, follow these steps:
- Locate the Micro SD Card Socket (Rear of the front PCB) and remove the Micro SD Card.
- Do not reformat the card (if using a new card, format with the FAT File System).
- Prepare your audio file on the PC with an audio editor (freeware Audacity), with the following settings:
  - Sampling Frequency ≤ 48kHz.
  - Reduce a stereo track to mono.
  - Compress/ normalize to a peak level below 0dB (in Audacity: Effects/ Compressor Setting).
  - Save the file as WAV (Microsoft) signed 16bit PCM. Save onto Micro-SD card.
- Re-insert the Micro-SD card and close the unit.
The manufacturer may publish suitable sounds on the product website.

Disposal of the Unit:

Environmental Advice (Disposal of Unit):

This unit is built to conform to the ROHS Standards and the WEEE Directive 2011/ 65/ EU of the European Parliament and of the Council of the European Union. Under these regulations, the product shall not be discarded into regular garbage at the end of its life, but shall be returned to authorized recycling stations.

Correct Disposal of this Product:
Waste Electrical and Electronic Equipment
Applicable in the European Union and other European Countries with separate collection systems.

This marking shown on the product or its literature, indicates it should not be disposed with other household waste at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of waste and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased the product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

Thank you for taking the time to read this manual.

For further enquiries, please contact us at:
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