

## **MIXCAB-15**

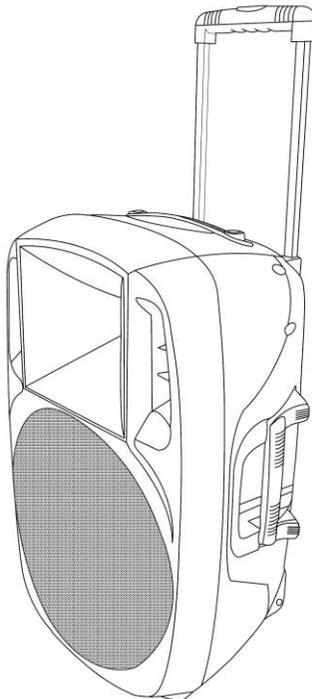
15" Portable Mixer PA

MIXCAB-15: 178.971UK

## **XCAB-15**

15" Extension Cabinet

XCAB-15: 178.972UK



VERSION 1.1



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

## Introduction

Thank you for choosing a MIXCAB-15 portable PA unit. This versatile portable PA unit offers a full set of PA features in a rugged and portable enclosure. Operated as a standalone unit or with the passive XCAB-15, this portable PA delivers an output power normally only possible from mains powered speakers and has inputs for multiple performers as a band PA system.

## Package Contents

Please check the contents to ensure that the product has been received in good condition. If you find any accessory is missing or the product has arrived with any problems, please contact your retailer at once.

- MIXCAB-15 mixer PA unit
- Media player remote control
- IEC power lead(s)  
(all above not applicable to XCAB-15)

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 this appliance to rain or moisture. To prevent electric shock do not remove the cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

## Safety

Prior to connecting mains, check the supply voltage is correct and the IEC mains lead is OK. Avoid ingress of water or particles into the enclosure.

If the internal IEC fuse blows, refer the unit to qualified service personnel

If the UHF microphones are to be unused for a long period of time, remove the batteries and store for later use.

## Placement

Keep the unit out of direct sunlight and away from heat sources.

Place the unit in an upright position during use and storage.

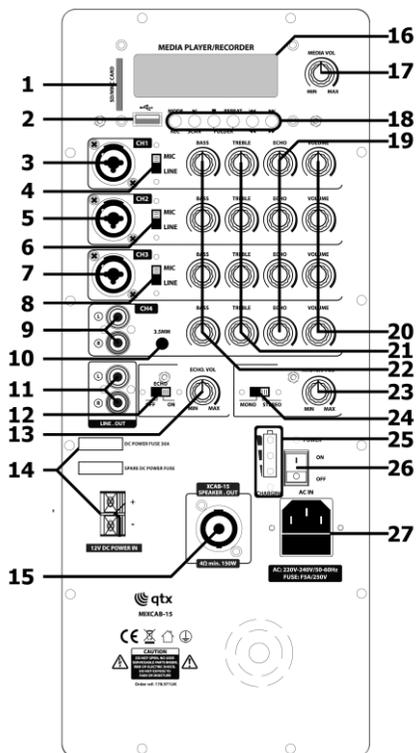
Keep the unit away from moisture or dusty environments.

## Cleaning

Use a soft cloth with a neutral detergent to clean the cabinet, rear panel and controls.

To avoid damage, do not use solvents to clean this equipment.

## MIXCAB-15 Rear Panel



1. SD card slot
2. USB port
3. CH.1 input XLR/jack
4. CH.1 Mic/Line level selector
5. CH.2 input XLR/jack
6. CH.2 Mic/Line level selector
7. CH.3 input XLR/jack
8. CH.3 Mic/Line level selector
9. CH.4 line input L+R RCA
10. CH.4 input stereo 3.5mm jack
11. Line output L+R RCA
12. Echo effect on/off selector
13. Echo effect master volume
14. 12Vdc power input & safety fuse
15. Speaker output (XCAB-15)
16. Media player display
17. Media player volume
18. Media player controls
19. CH.1-4 echo effect controls
20. CH.1-4 volume controls
21. CH.1-4 treble EQ controls
22. CH.1-4 bass EQ controls
23. Master volume
24. Master mono/stereo switch
25. Battery charging/level indicators
26. Power on/off switch
27. IEC mains inlet & fuse holder

### Power connection and internal battery

Your new MIXCAB-15 unit may arrive with you with the internal battery charged.

Before connecting to the mains, turn down all volume controls (17, 20, 23) and switch the unit on (26) and check the battery level indicators (25). If the battery level is low or if no LEDs light at all, you will need to charge the battery before operating away from mains power.

Connect the MIXCAB-15 unit to the mains (27) using the appropriate mains IEC lead supplied. You may otherwise opt to connect the DC input at the rear (14) to an external 12-15Vdc supply (e.g car battery) or use the internal battery if charged.

If the POWER switch is in the "off" position whilst the unit is connected to the mains, the internal battery will be re-charged from the mains supply. The battery status LEDs will be off and the "CHARGING" LED will light red when charging or green when fully charged.

**Note:** it is recommended to store the PA unit at an ambient temperature and not with the battery fully discharged.

## Connection & Setup

When powered up, all BASS and TREBLE controls (21, 22) should remain pointing vertically (i.e. 12-o'clock position). Also turn down all ECHO controls to begin with (13, 19)

If the MIXCAB-15 is to be used on its own without connecting an XCAB-15 extension speaker, it is best to operate the unit in mono to avoid losing one side of the stereo mix. Slide the mono/stereo switch (24) to the MONO position.

If the MIXCAB-15 is to be operated with an XCAB-15 extension speaker (or equivalent), connect the extension speaker to the XCAB-15 output (15) using an SPK or Speakon® lead. For stereo operation, slide the mono/stereo switch to the STEREO position.

Note: this output is suitable for a 4Ω or 8Ω speaker with a power handling of 150Wrms.

Input channels 1, 2 and 3 can accept microphone or line inputs by either XLR or 6.3mm jack (3, 5, 7). If a microphone is connected to an input channel, slide the relevant mic/line switch to the MIC position (4, 6, 8). If a line input is connected (such as CD player, mp3 player, laptop, TV decoder etc.), slide the relevant mic/line switch to the LINE position.

Musical instruments such as keyboards, electronic drums and guitars with preamps can also be connected as line inputs. Ensure that the mic/line switch is set to LINE for these.

Input channel 4 can accept a stereo line level input, which can be connected via Left + Right RCA sockets (9) or a 3.5mm stereo jack (10)

To connect the output signal from the MIXCAB-15 to further active speakers or amplifiers, a stereo line output is provided on Left + Right RCA sockets (11)

## Operation

Before operating at full volume, it is important to make initial checks that input channels are connected and working properly.

To check a microphone that is connected to an input channel, turn up the MASTER VOLUME (23) part way and gradually increase the VOLUME control (20) for that input channel whilst speaking into the microphone. Check for sound coming from the MIXCAB-15 and increase the VOLUME control to the required level.

To check a line level signal that is connected to an input channel, as above, gradually increase the VOLUME control for that input channel whilst playing the signal into the input. Check for sound coming from the MIXCAB-15 and increase the VOLUME control to the required level.

Repeat the above for all 4 input channels and set the MASTER VOLUME to the maximum required level, using each channel VOLUME control to balance the levels of each within the overall output mix.

Each input channel has BASS and TREBLE EQ controls (21, 22), which are neutral when set to the vertical 12 o'clock position. To reduce the BASS or TREBLE frequency content for an input channel, turn the respective control to the left. To boost the BASS or TREBLE frequency content for an input channel, turn the respective control to the right.

In addition to EQ controls, each channel also has an individual ECHO control (19) which varies the amount of the internal echo effect applied to that input. To enable the echo effect, slide the ECHO switch (12) to the ON position and turn up the ECHO VOL control (13) part way.

Increase the ECHO control (19) for the input channel gradually whilst speaking into the microphone or playing the line level signal into it. The echo effect should now be audible through the speaker. Set the main ECHO VOL control to the maximum required amount of echo effect and adjust for each channel using its own ECHO control.

## Internal media player

The MIXCAB-15 unit has a media player for digital audio playback from USB or SD/MMC media FM tuner or via Bluetooth. The player can also be used to record audio to a USB or SD card. Turn the media player volume control (17) up to hear the output through the speaker.

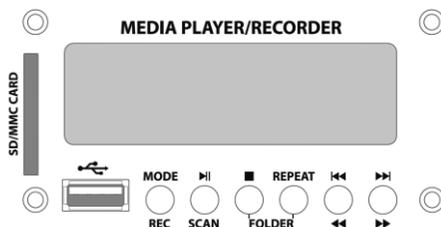
Press **MODE** to select the required function:  
USB, SD, REC, FM radio (89-107) or Bluetooth

**USB** – Use this mode for USB or SD/MMC cards

**REC** **MODE** – Use this mode to record to media

**FM Radio** – (the last frequency will appear)

**BLUE** – Use this mode for Bluetooth™ selection



## Playback from USB Device or SD/MMC Card

Inserting a USB memory device into the USB connector or SD/MMC card into the SD/MMC card slot will automatically load up and begin playback of mp3/wma tracks stored on the media. If playback does not start, press the Play/Pause (▶ ||) button or remove the memory device and check that the stored files are the correct mp3 or wma format before re-connecting.

- Play/Pause (▶ ||) will alternately play or pause the selected track
- Previous track (◀◀) will step backwards through tracks (holding this button will reverse seek through the current track)
- Next track (▶▶) will step backwards through tracks (holding this button will reverse seek through the current track)
- REPEAT will select between repeating **ONE** track or **ALL** tracks
- STOP (■) will stop playback and return to the start.

To move to the previous folder on the storage device, press and hold the STOP (■) button. To move to the next folder on the storage device, press and hold the REPEAT button.

## Recording to USB or SD media

When in USB or SD card mode, the overall mix output of the MIXCAB-15 can be recorded to a memory device that is connected to the internal media player. The memory device may be USB or SD card (whichever is inserted first).

Press the MODE button to select REC mode (*REC MODE*), then press Play/Pause (▶ ||) to begin recording. The overall mix will now begin recording as a file on the storage device. Press Play/Pause (▶ ||) again to stop recording.

(note: if both USB & SD are connected, then repeated pressing of the MODE button to loop through all options back to REC mode will then default to writing to the SD card)

To play back the recorded file(s), press and hold Play/Pause (▶ ||) for 3 seconds and the recorded file(s) will be displayed. Then, navigate to the required file and press Play/Pause (▶ ||) for playback.

## FM Tuner

In FM tuner mode, the station frequency (in MHz) will be displayed. For initial setup, press PLAY/PAUSE to begin the auto-tuning process.

The tuner will seek through all frequencies for strong signal reception (i.e. radio stations) These will be stored into memory as *PD 1, PD 2, PD 3, PD 4...* etc. Stored stations can then be selected using the PREVIOUS or NEXT buttons

## Bluetooth Connection

Select Bluetooth (*bLUE*) using the MODE button.

Scan for Bluetooth devices on your phone or other Bluetooth enabled audio player and check for a device called 'MIXCAB'. Select this device and opt to connect your Bluetooth device, which should then state that it is connected to 'MIXCAB' for audio output.

Play audio from your Bluetooth device and check for output through the MIXCAB-15 unit. If there is no output, check that the correct 'MIXCAB' Bluetooth ID is paired and that the media volume control and master volume control are turned up.

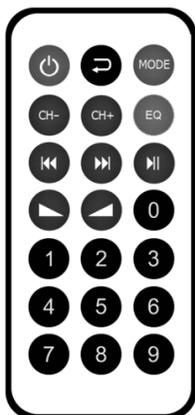
In the eventuality that more than one device is called 'MIXCAB', try each device in turn until the correct one is found. Check also that the volume level is turned up on the sending device. Once audio is playing through the MIXCAB-15 from Bluetooth, adjust the media volume control (17) to the required volume.

Bluetooth on the MIXCAB-15 can only pair to a single device at any one time and should be operable over a range of 5 to 8 metres.

## Media player remote control

In addition to the MIXCAB-15 rear panel media player controls, an I.R. remote control is provided with equivalent functions and direct track number access buttons.

To use the remote control, remove the plastic tab at the bottom to activate the battery.



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

## Specifications: MIXCAB-15

Power supply	220-240Vac, 50/60Hz (IEC), 12Vdc (terminals) or internal battery
Battery	12V 9Ah (sealed lead-acid)
Battery life (hours)	Up to 4 hours (2 hours at max. output with EX-15)
Output power rms	150W (+ 150W with EX-15 cab)
Max. SPL	136dB
Main driver	380mm (15")
HF driver	50mm (2") Ti compression unit
Controls	Volume, Treble, Bass, Echo, Master Volume, Master Echo
Audio source	USB/SD player, FM tuner & B/T receiver
Bluetooth version	4.2
Inputs	3 x jack/XLR combo, L+R RCA, 3.5mm jack
Speaker output	SPK connector (150W @ 4 ohms)
Line output	L+R RCA line out
Dimensions	680 x 445 x 370mm
Weight	16.98kg

## Specifications: XCAB-15 extension cabinet

Main driver	380mm (15")
HF driver	50mm (2") Ti compression unit
Power handling rms	150W
Frequency response	45Hz - 18kHz
Impedance	4Ω
Max SPL	136dB
Connection	SPK socket (2- or 4-pole)
Dimensions	680 x 445 x 370mm
Weight	13.18kg

## Troubleshooting

No output and no LEDs lit	Check POWER switch is on
	Check battery is not drained fully
	Check mains lead is connected
	Check mains fuse hasn't blown
Power LED lit but no media player output	Check USB/SD/MMC has mp3 or wma audio file format
	Check MEDIA VOLUME control is not turned down
No Bluetooth output	Check volume output level on sending device
	Check sending device is connected to the receiver correctly
No sound from external inputs	Check leads are OK and connected properly
	Check AUX LINE, GUITAR or MIC VOL controls are turned up

**Note:** if operating from mains power, the unit may power down automatically if the IEC connector is removed. This is to protect the speaker and circuitry from a spike in power. To re-set the MIXCAB-15, switch the unit off and on again to resume power.



**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.

Hereby, AVSL Group Ltd. declares that the radio equipment type 178.971UK is in compliance with [Directive 2014/53/EU](#)

The full text of the EU declaration of conformity is available at the following internet address:  
<http://www.avsl.com/assets/exportdoc/1/7/178971UK%20CE.pdf>

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