Item ref: 170.818UK

Q-PAD-8

User Manual

Compact Mixer USB/BT/mp3

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 a Citronic Q-PAD-8 mixer as part of your professional sound system. This product has been developed to provide a wide range of facilities for professional and reliable sound reinforcement. Please read and keep this manual to achieve the best results from your purchase 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 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.

Warning

To prevent the risk of fire or electric shock, do not expose any components to rain or moisture. If liquids enter the housing, stop using immediately, allow the unit to dry out and have it 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

- Use the 5Vdc power adaptor supplied or equivalent into the rear USB-C connector marked "5V-2.5A"
- Avoid ingress of water or particles into any part of the housing. If liquids are spilled on the console, stop using immediately, allow the unit to dry out and have checked by qualified personnel before further use

Placement

- Keep the console out of direct sunlight and away from heat sources.
- Do not place heavy objects on top of the control surface
- Allow adequate space for airflow and keep the console away from damp or dust.

Cleaning

- Use a soft cloth with a neutral detergent to clean the housing as required.
- A soft brush can be used to clear debris from between controls without damaging them
- Do not use solvents for cleaning the unit.

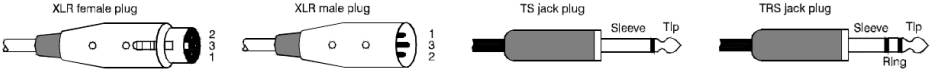
Console layout

The Q-PAD-8 compact mixing console has a quartet of mono input channels which can accept a balanced microphone input or switchable line/instrument input. There is also a pair of stereo inputs for playback devices or line level instruments.

All preamps have studio grade, low noise architecture for the cleanest possible path throughout the signal chain. The following pages are divided up into stages to explain the details and function of each control.

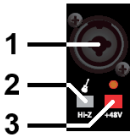
Channel inputs

Channel inputs are provided as XLR or 6.3mm jack on combo sockets. If an XLR is plugged in, this will be connected as low impedance (microphone) level. If a 6.3mm plug is used, this will be connected as high impedance (line) level. The connections for these inputs are assigned as shown below.



Balanced	Pin 1/Sleeve = Ground	Pin 2/Tip = Signal +	Pin 3/Ring = Signal –
Unbalanced	Pin 1/Sleeve = Ground	Pin 2/Tip = Signal +	Pin 3/Ring = Ground

Mono input channels

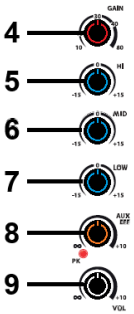


1. Mono In — Connect a balanced microphone via XLR connection or a line level by ±15dB (12 o'clock position is zero) (or instrument) input via 6.3mmplug. An unbalanced XLR can be connected provided that +48V phantom power is not used. Wired as follows.

2. Hi-Z switch — Press this switch in when connecting instruments directly or line level signals. Leave this switch in the out position for microphone or low impedance inputs.

3. +48V — Press this button in to enable +48V phantom power to the pair of XLRs and the LED indicator will light. This provides power to some condenser microphones and DI boxes. Do not use phantom power with unbalanced XLR connectors.

Channel controls



4. GAIN — Adjust this to match the input signal level to be suitable for the channel. Increase this setting if the input source is quiet. Reduce this setting if the channel is overloading or sounds distorted.

5. HI — This control can boost or cut the high frequencies by ±15dB (12 o'clock position is zero)

6. MID — This control can boost or cut the high frequencies by ±15dB (12 o'clock position is zero)

7. LOW — This control can boost or cut the low frequencies by ±15dB (12 o'clock position is zero)

8. AUX/EFF — Controls how much of this channel is fed through the delay section or to AUX send

9. VOL — Adjusts the output level (volume) of this channel to the output section

Stereo inputs

10. L/MONO — Line level 6.3mm jack input. Left side of the stereo input, or will default to mono if connected alone (i.e. without a right-side input)

11. R (right) — Line level 6.3mm jack input for Right side of stereo input.

The first stereo input (CH5/6) features the same controls as the mono inputs (i.e. 4-9 described above) The second stereo input (CH7/8) is simplified without Gain, EQ or effects and just has the VOL control.

Master Output, Media Player & Delay Effect Section

12. USB port — Connect a USB flash drive for playback of mp3 tracks

13. PC/mp3 — Select playback source for CH7/8
Press in to enable the mp3/Bluetooth player
Press out to engage the rear panel USB-C data connection to a PC for playback and recording

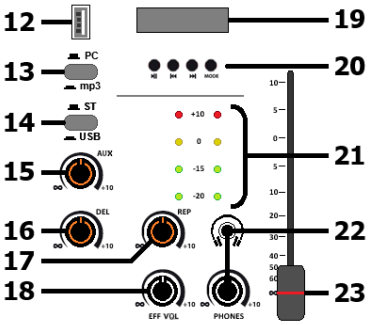
14. ST/USB — Select CH7/8 stereo input or playback mode
Press in to enable USB/Bluetooth or PC mode
Press out to operate as a stereo channel for the CH7/8 jack inputs

15. AUX — Main volume control to AUX output

16. DEL — Time adjustment for Delay effect

17. REP — Repeat adjustment for Delay effect

18. EFF VOL — Overall effect level for Delay effect.



19. Display — LED display to show playback status of the onboard mp3/Bluetooth player or PC interface.

20. Controls — Previous / Play-Pause / Next / Mode buttons for mp3/Bluetooth player.

21. Main LEDs — LED indicators for monitoring the main output level.
-20, -15, and 0 LEDS show the level when there is a signal present at the outputs.
The red +10 LEDs can flicker briefly to coincide with loud transients (such as a kick drum) but if they light more constantly, there is overload and the output should be turned down.

22. PHONES — 3.5mm stereo jack for connecting headphones to monitor the main output via a rotary PHONES volume control

23. Fader — Master output level fader

Output Connections

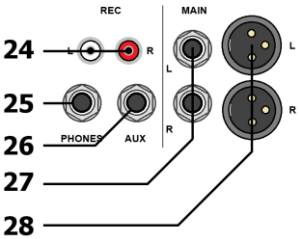
24. REC — L+R RCA output connections for recording

25. PHONES — 6.3mm stereo output for headphones (16Ω min)

26. AUX — Auxiliary output (overrides internal delay effect)

27. MAIN — L+R 6.3mm jack output

28. XLR — Balanced XLR main L+R outputs



Setting Up

For microphones, connect these to the mono combo inputs (1) via XLR, ensuring that the +48V button (3) is pressed in for any condenser microphones or D.I. boxes that require phantom power to operate.

(if a microphone does not require phantom power, enabling it will not damage the microphone, but you must ensure that the XLR is wired as a balanced connection. i.e. separate +, -, and GND connections to avoid damage to the mixer)
For line inputs (such as CD, mp3 player, laptop, digital keyboard etc.), connect these via 6.3mm jack plug to the combo inputs (1)

For instrument inputs (such as electric guitar), connect these via 6.3mm jack and press in the "Hi-Z" button (2) to correctly match the higher impedance of the input.

For stereo line level signals, such as CD or mp3 players, computer sound cards or electronic keyboards, connect these via 6.3mm jack plug to the stereo inputs (10, 11)

If headphones are to be used for monitoring the main output, connect these to the PHONES 6.3mm stereo jack (25) or the 3.5mm stereo jack and turn the PHONES control (22) down fully before listening to the headphones, gradually turning this control up to the required level to avoid damage to hearing.

Connect the MAIN OUT 6.3mm jack outputs (27) and/or XLR outputs (28) to the receiving amplifier or recording device.

Connect the REC output L+R RCA connectors (24) to additional recording equipment or amplifiers if required.

If an external effect unit is to be used in place of the internal delay effect, connect the AUX send (26) to the input of the external effects unit and return L+R from the effects to one of the stereo inputs. Alternatively, this AUX can be used for monitoring or to set up a special mono mix to send externally. Connecting a 6.3mm plug into the AUX jack will remove the internal effects from the mix.

Finally, with the channel volume controls (9), MAIN fader (23) and EFF VOL (18) controls turned down, and HI, MID and LOW EQ controls (5, 6, 7) set in the mid position (12 o'clock), connect the supplied power adaptor to the USB-C power inlet (marked "5V-2.5A") on the rear panel and the plug-top to a suitable mains outlet, ensuring the correct mains supply voltage.
Press the power button above the main fader to switch the mixer on.

Operation

If a microphone is connected, turn the MAIN fader (23) or PHONES control (22) up part way and speak into the microphone whilst gradually turning up its LEVEL control (9). Alternatively, play a line signal into the Q-PAD-8 for checking or use the internal audio player as described later in this manual.

Check the level indicators (21) and if the red "+10" indicators are lighting too much or the output seems very high, reduce the GAIN control (4) for the channel being tested, as the signal level might be too high. Likewise, if the signal seems to be too quiet, the GAIN control may need to be increased.
The GAIN control is not a volume control but is useful for matching the input signal level for the channel input and the output should be controlled by the LEVEL control.

Avoid aiming the microphone or instrument pickup towards the loudspeaker(s), which can cause feedback, which is a loud whistling or howling sound caused when a mic or pickup hears its own output.
A line, instrument or stereo input can also be used for checking in the same way

To adjust the tone characteristics of a Mic, Line or Instrument input signal, the high, middle and low frequency content can be individually cut or boosted using the HI, MID and LOW EQ controls (5, 6, 7)

Turning the HI control clockwise from 12 o'clock boosts the high frequencies (treble) for a brighter sound and turning it anticlockwise cuts them for a duller sound.

Turning the MID control clockwise from 12 o'clock boosts the middle frequencies (treble) for a more prominent and powerful sound and turning it anticlockwise cuts them to send reduce its prominence.

Turning the LOW control clockwise from 12 o'clock boosts the low frequencies (bass) for a thicker sound and turning it anticlockwise cuts them for a thinner sound.

To add a delay or echo effect to a channel, gradually increase the AUX/ EFF control (8) on that input channel. The style of the effect is adjusted by the DELAY and REPEAT controls (16, 17)
This same control determines the amount that the channel is fed to the AUX output, if this is being used in place of the internal effects.

USB Player

The Q-PAD-8 has an audio player that can be fed to the stereo input channel 7/8 when the ST/USB (14) and PC/mp3 (13) switches are both pressed in to the "USB" setting. ("ST" is for the stereo input jacks)

On power up, the audio player display will show "HiFi"
Inserting a USB flash drive with mp3, wma, wav, ape or flac tracks will automatically begin playback.

⏯	Play/Pause the current track
⏮	Previous track
⏭	Next track
MODE	Switch between USB playback and Bluetooth receiver

If no USB pen drive is inserted, the display will show the word "no"

WARNING: Do not attempt to charge or power a phone or other device from the USB port.

Bluetooth

To pair a smart phone via Bluetooth to the Q-PAD-8, press the MODE button so that the display shows "bLUE" and search for "CX-BT" in the Bluetooth menu of the smartphone and select to pair. Once pairing is successfully complete, playback of audio on the smartphone will be streamed wirelessly to the Q-PAD-8 CH7/8 stereo input.

PC Audio

Another mode of audio playback for the Q-PAD-8's stereo channel is via USB audio link to a PC.
Connect the rear USB-C data input (marked with the USB symbol) directly to a PC and ensure that the PC/mp3 button (13) is set to the "out" position. Select the Q-PAD-8 as a USB audio device for playback within the PC settings (it will show in the USB device menu when connected and disappear when disconnected).

When Q-PAD-8 is selected as a USB audio device, digital playback of audio from the PC will be fed into the stereo CH7/8 channel of the Q-PAD-8. Again, for this, the ST/mp3 switch must be pressed in.

Since the PC interface is a stereo duplex type, the Q-PAD-8 can be chosen as an audio source for recording onto the PC in the same way, sending the Main L+R signal to a recording channel in PC software where the Q-PAD-8 USB audio device has been selected as the input source.

Turn down the MAIN fader before powering down to avoid loud noises to connected equipment.

Specifications

Power supply	5Vdc 2.5A min. (USB type-C adaptor included)
USB computer interface	Type-C (separate from power connection)
Audio source	USB audio player, Bluetooth receiver
Inputs	4 x mono XLR/jack, 2 x Stereo L+R jack
Outputs	Main out L+R XLR, L+R jack, Phones 3.5 or 6.3mm, REC out L+R RCA
Effects	Adjustable internal delay effect
Phantom power	+48V (switchable)
Dimensions	265 x 192 x 56mm
Weight	966g

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 types 170.818UK is in compliance with Directive 2014/53/EU

The full text of the EU declaration of conformity for 170.818UK is available at the following internet address: http://www.avsl.com/assets/exportdoc/1/7/170818UK%20CE.pdf

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