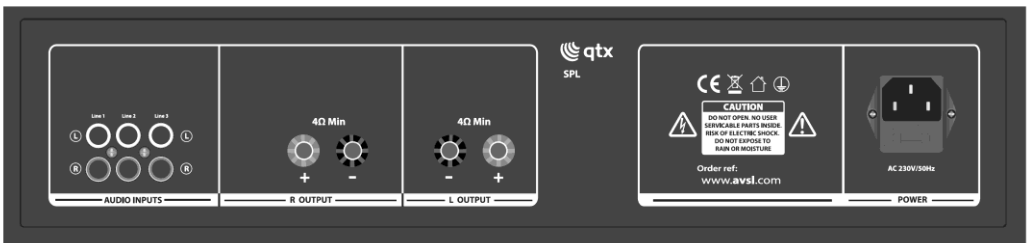
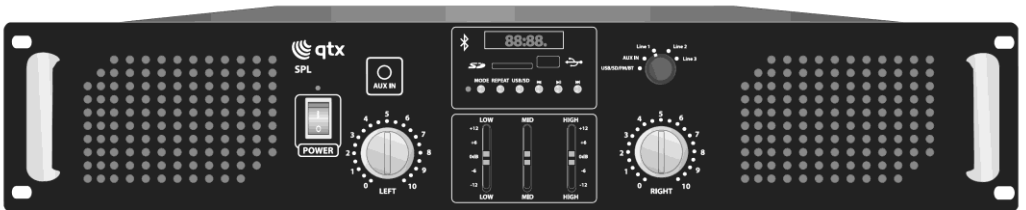


SPL

Stereo Amplifiers

Order ref: SPL500M (178.821UK)
 SPL700M (178.822UK)
 SPL1000M (178.823UK)
 SPL1200M (178.824UK)
 SPL1500M (178.825UK)

User Manual



VERSION 1.0



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

Introduction

Thank you for choosing an SPL series amplifier for your stereo sound system. This product is designed to power stereo speakers with a range of switchable inputs including a built-in digital audio playback module. Please read and keep this manual for future reference.

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 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
- Use only double-insulated wire for 100V connection to the mixer

Placement

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

Cleaning

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

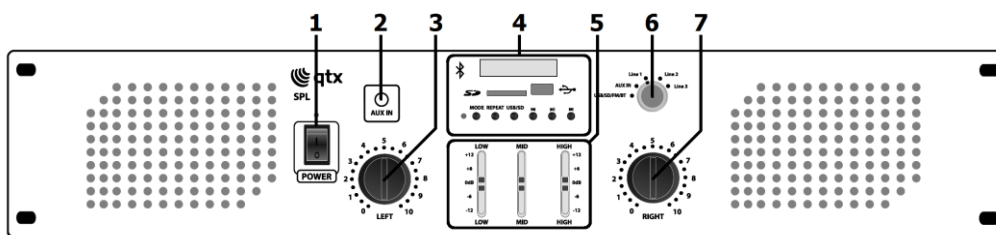
Package Contents

Please check the contents to ensure that the product has been received in good condition.

- SPL amplifier
- IR remote control for media player
- IEC mains lead(s)

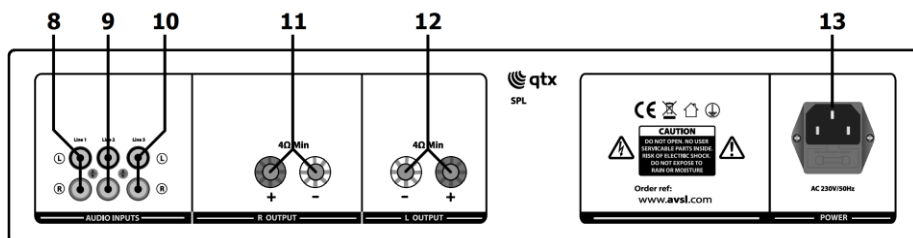
If you find any accessory is missing or damaged, please contact your retailer at once.

Front Panel



- | | | | |
|---|------------------------------------|---|------------------------------|
| 1 | Power on/off rocker switch and LED | 5 | 3-band EQ section |
| 2 | Aux line input 3.5mm stereo jack | 6 | Source rotary selector |
| 3 | Left speaker volume control | 7 | Right speaker volume control |
| 4 | Media player section | | |

Rear Panel



- | | | | |
|----|-----------------------|----|------------------------------------|
| 8 | Line 1 inputs L+R RCA | 11 | Right speaker output binding posts |
| 9 | Line 2 inputs L+R RCA | 12 | Left speaker output binding posts |
| 10 | Line 3 inputs L+R RCA | 13 | IEC mains inlet & fuse holder |

Connection

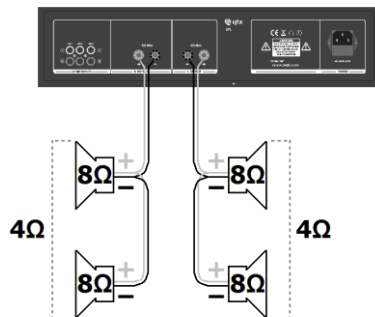
Each SPL amplifier has 4mm binding post outputs for connecting to 2 speakers (11, 12)
 The red binding post must be connected to the "+" terminal of the speaker.
 The white binding post must be connected to the "-" terminal of the speaker.

If the speakers are 4Ω impedance each, do not connect further speakers.

If the speakers are 8Ω impedance each, then 2 speakers can be connected each side in parallel. A diagram for parallel wiring is shown opposite.

It is also important to ensure that the speakers are capable of handling the amplifier power output.
 (or half of the output each if connected as a pair)

Power output for 8Ω and 4Ω loads are stated in the "Specifications" section at the end of this manual.



Connect up to 3 stereo line level signals to the RCA inputs on the rear panel (8, 9, 10)
 A further stereo AUX line input is available via 3.5mm stereo jack on the front panel (2)
 This can be used as an accessible input when rack-mounted for a smart phone or mp3 player.

Connect the SPL amplifier to the mains (13) using the IEC power lead provided.
 Ensure that the supply voltage is correct, well-earthed and the power lead is in good condition.

Operation

Turn both Left and Right volume controls (3, 7) fully down and set EQ sliders (5) to "0dB"
 Switch on the power (1) and turn the source selector (6) to an input with a signal playing.
 Gradually increase the Left and Right volume controls until the output can be heard.
 If there is no sound, check the input signal and speaker connections.

Turn up the Left and Right volume controls to the required level and make sure that the output is not distorted (an aggressive, fuzzy sound which can damage speakers and/or amplifier)
 If the output is distorted, reduce the volume controls until the output is clear again.

EQ setting

SPL amplifiers each have a master 3-band EQ for Low, Mid & High frequencies.
 (These are equivalent to Bass, Middle and Treble tone controls)
 For each slider, the centre point (0dB) is neutral (i.e. no boost or cut)
 Move the slider up from 0dB to boost the relevant frequencies.
 Move the slider down from 0dB to cut the relevant frequencies.
 Correct adjustment of these EQ settings can dramatically improve the sound quality.

Media player

Each SPL amplifier has an internal media player section for digital audio playback from USB/SD/MMC media, FM tuner or via Bluetooth with its own display and control section (4). Turn the source selector (6) to USB/SD/FM/BT to enable playback through the speakers.

Press the MODE button to select the function you require - USB, SD, FM radio or Bluetooth.

USB – Use this mode for both USB and SD/MMC cards

FM Radio – (the last chosen frequency will appear – i.e. 89-107MHz)

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 or wma audio tracks stored on the media.

If playback does not start, press the Play/Pause button (16) or remove the memory device and check that the stored files are the correct compressed audio format before re-connecting.

PLAY/PAUSE (▶ ||) will alternately play or pause the selected track.

PREVIOUS TRACK (◀◀) will step backwards through tracks.

Holding the PREVIOUS TRACK button will reverse seek through the current track.

NEXT TRACK (▶▶) will step forwards through tracks.

Holding the NEXT TRACK button will forward seek through the current track.

USB/SD will toggle between USB or SD/MMC card media playback.

REPEAT will select between repeating **ONE** track or **ALL** tracks on the storage device.

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 **PO1**, **PO2**, **PO3**, **PO4**... etc.

Stored stations can then be selected using the PREVIOUS or NEXT buttons (◀◀ ▶▶)

Note: Pressing PLAY/PAUSE during auto-tune will allow manual tuning via PREVIOUS/NEXT

Bluetooth™ Connection

On the media player, select 'BLUE' using the MODE button.

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

Play audio from your Bluetooth device and check for output through the speakers.

Ensure that the volume is turned up on the smart phone or other sending device.

If there is no output, check if there is more than one device within range called "qtx-SPL"

In the eventuality that more than one device is called "qtx-SPL", 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 speakers from Bluetooth, adjust the Left and Right volume controls to the required volume.

In Bluetooth mode, the Play/Pause, Previous and Next buttons can also remotely control playback from the sending device. Holding down the Previous or Next buttons will decrease or increase the Bluetooth output volume.

Bluetooth on the SPL amplifier can only pair to a single device at any one time and should be operable over a range of 5 to 8 meters

Specifications

Model	SPL500	SPL700	SPL1000	SPL1200	SPL1500
Weight	3.88kg	4.22kg	4.77kg	6.40kg	7.29kg
Power max.	500W	700W	1000W	1200W	1500W
Fuse	T1.5A	T3A	T3A	T3A	T3A
Power supply	230Vac, 50Hz (IEC)				
Inputs : line	3 x L+R RCA, 1 x 3.5mm stereo jack				
Bluetooth version	2.3				
Equalization	Hi / Mid / Low				
Audio source	Bluetooth receiver & USB/SD mp3 player				
Frequency response	20Hz - 20kHz				
THD	<0.5%				
S/N ratio	95dB				
Channel crosstalk	>82dB (@ 1kHz)				
Input impedance	>10k Ohms				
Dimensions	482 x 240 x 90mm				



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

*Errors and omissions excepted.
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