

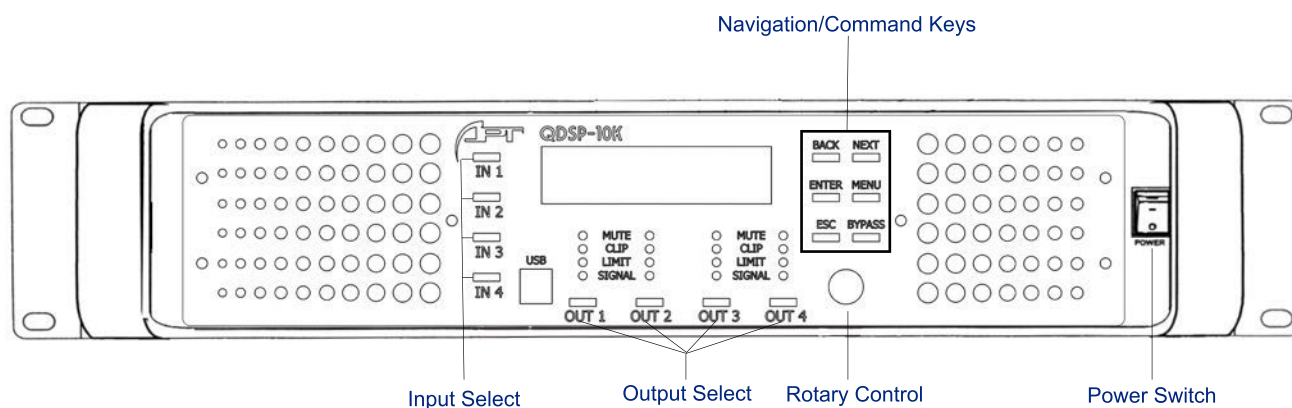


Amp Specs:	QDSP-10K
8Ω Single Channel:	4 x 1300w
4Ω Single Channel:	4 x 2200w
2Ω Single Channel:	4 x 2500w
8Ω Bridge Mode:	2 x 2500w
4Ω Bridge Mode:	2 x 5000w
2Ω Bridge Mode:	Not Suitable for 2Ω Load in bridge
Frequency response:	20Hz - 20KHz ±0.5dB
THD+N (Rated Power 4Ω/KHz)%	0.10%
SNR	110dB
Input Impedance:	20KΩ Balanced/10KΩ Unbalanced
Output Connectors:	4 x Neutrik Speakons NL4
Power Requirements:	100 -120v 50/60Hz, 200-240v 50/60Hz

Dimensions:	QDSP-10K
Size:	483 x 377 x 88mm
Weight:	13Kg

DSP Specs:	QDSP-10K
Input:	4 x Channel Neutrik XLR
PC Com Port:	Front: 1 x USB-B, Rear: 1 x USB-B, RS485, Ethernet
Processing:	48KHz Sampling Frequency, 48-Bit DSP, 24-Bit A/D & D/A Conversion
Dynamic Range:	>110dB
Frequency response:	± 0.25dB, 20Hz - 20KHz
Distortion:	< 0.01%, 20Hz - 20KHz @ +10dBu Balanced Input
SNR:	>110dB
Crossover:	LPF,HPF & APF, Butterworth, Bessel & Linkwitz-Riley 12, 18, 24 & 48dB/Octave
EQ:	Bandwidth:0.2 to 36 Oct., Gain -24dB to +12dB, Step:0.2dB
Delay:	0ms - 115ms
Display:	2 x Line LCD Display
Preset Storage:	20 x Storage Slots

## Front Panel



### Signal Indicator:

- Mute LED - Indicates Device audio protection mute
- Clip LED- Indicates Low impedance/short circuit detection
- Limit LED - Indicates signal is clipping/limiters are in use
- Signal LED - Indicates signal present on channel.

### LCD Display:

Display shows current status and allows user to view and edit menu's and settings locally..

### Enter:

Confirms menu/operation command using front display.

### Back:

Previous Page/scroll cursor back a character.

### Next:

Next Page/Scroll Cursor forward a character.

### Menu:

In Standby state used to access Settings Menu.

### ESC:

Back to Previous menu/Return to standby screen.

### Bypass:

Used to Bypass certain parameters in Channel Settings.

### Input Select Key:

Quick press to Mute input signal, Press and hold to access Output Channel settings.

### USB-B Port:

Used to access PC control via front panel (Windows OS only).

### Output Select Key:

Quick Press to Mute output signal, Press and hold to access Output Channel settings.

### Control Knob:

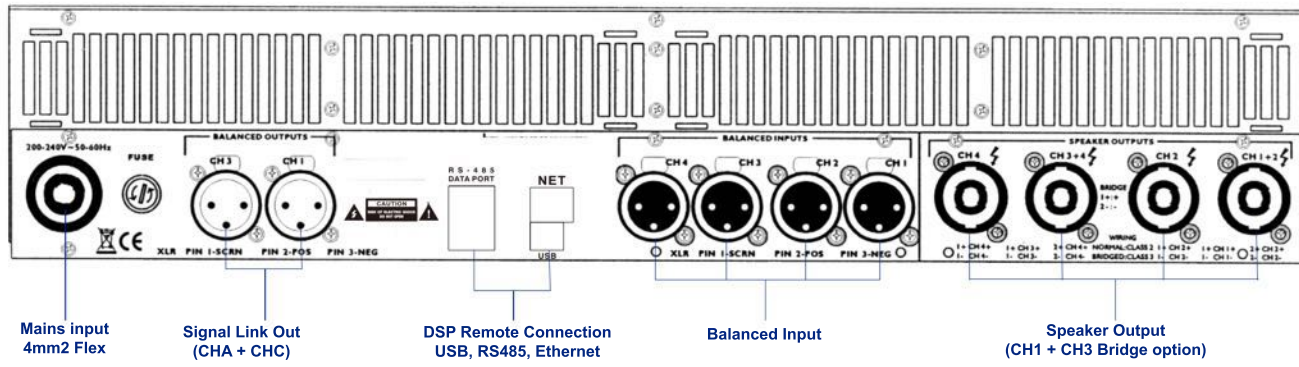
Adjust Paramaters in Menu settings.

### Power Switch:

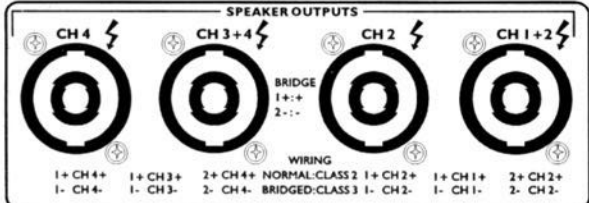
Switch on Unit/Switch off unit, with LED to indicator to show Current power state.



## Rear Panel

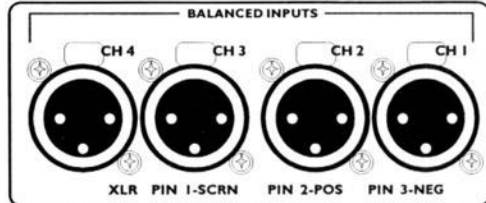


## Output Connections



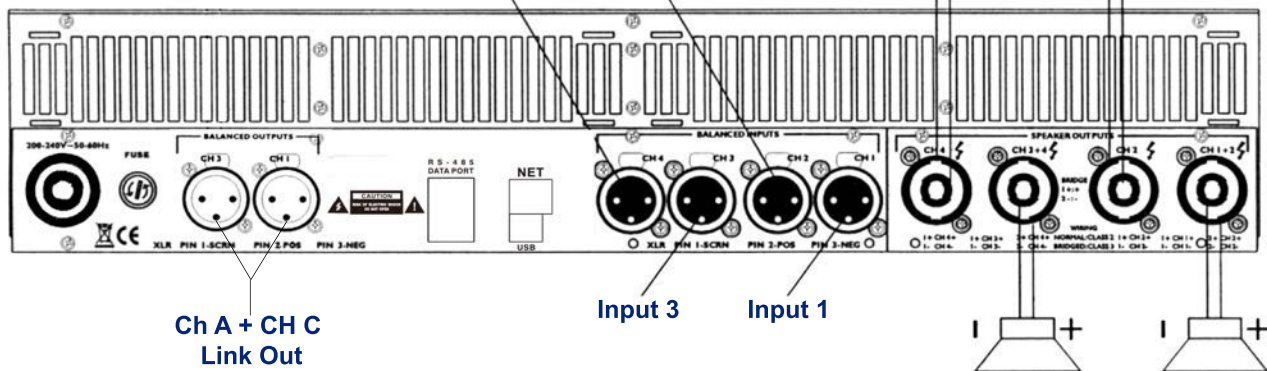
Channel 4  $\pm 1$     Channel 3  $\pm 1$   
 Channel 4  $\pm 2$     Channel 2  $\pm 1$   
 Bridge 1+ 2-        Channel 1  $\pm 1$   
                               Channel 2  $\pm 2$   
                               Bridge 1+ 2-

## Input Connections

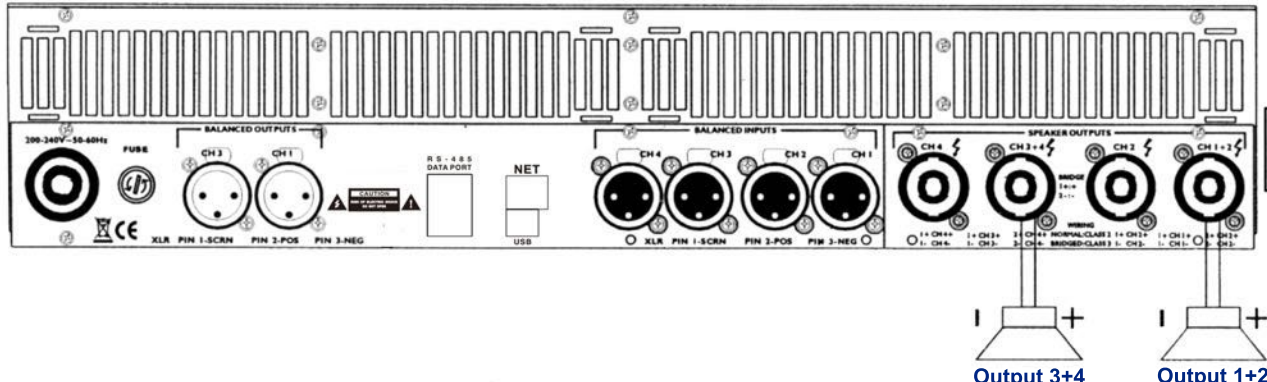


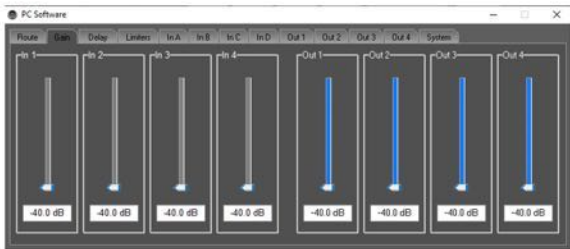
Pin1 Screen  
 Pin2 +  
 Pin3 -

## 4 Channel Mode



## Bridge Mode





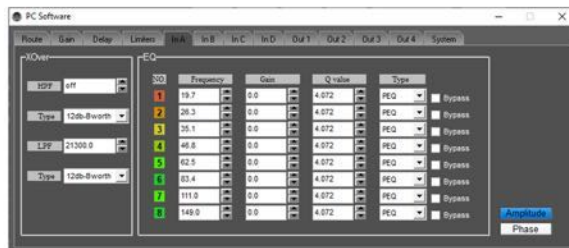
Input & Output Gain Settings



Delay Settings



Limiter Settings



Input Crossover/EQ Settings

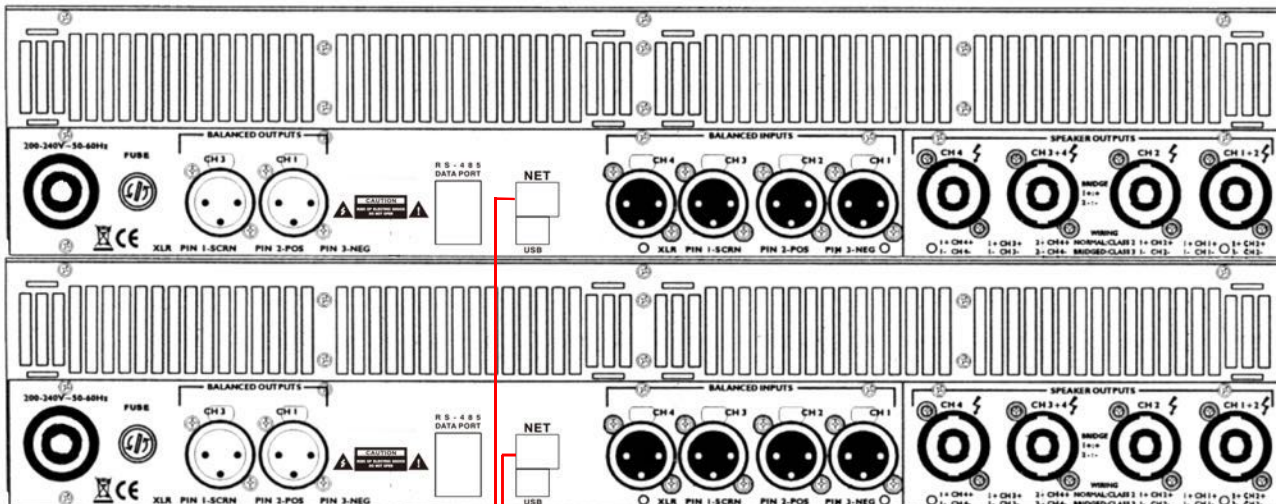


Routing Selection

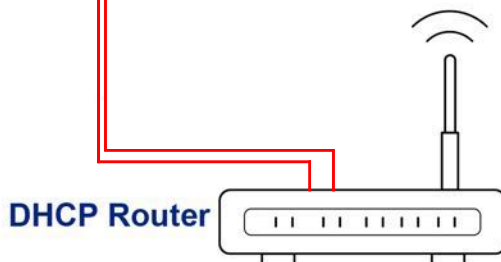


Network/Output Mode Settings

## Network Connection:



\*Please note Must be connected to DHCP Router/Switch





## Overview Screen:

The screenshot shows the control interface for the APT QDSP-10K amplifier. At the top, there's a status bar with 'Disconnected', 'Local IP: 10.211.55.7', and an IP address search field. Below this are input (In A-D) and output (Out 1-4) channel selection buttons, along with 'Current Mode: Normal' and a 'System' button. The central part of the screen is a frequency response plot (Crossover/EQ Visual Display) with a y-axis from -30dB to +15dB and an x-axis from 20Hz to 20kHz. Below the plot is a channel configuration table with columns for input, processing (Mute, Pol+, Gain, EQ, XOver), routing (Route, Mute, Pol+, Gain, Delay, EQ, XOver, Limiter), and output. At the bottom, there are two 'Copy' buttons for channel data and routing.

**Channel Display Option**

**Device IP**

**Amp Output Mode Normal/BTL**

**System Settings**

**Crossover/EQ Visual Display**

**Channel Link Button**

**Signal Indicator**

**Channel data Copy**

**Parameter Access Shortcuts**

**Current Channel Routing**

**Channel Name**