

OFFICIAL WARWICK AMP OWNER MANUAL

ENGLISH

warwick®

Basses, Amps & Rock'n Roll.

Congratulations on the purchase of the new Warwick amplifier head/combo.

Please read these instructions through before connecting and operating the device.

If you keep to the guidelines set out in this manual, you will soon be able to appreciate the quality of

this new Warwick amplifier. Please keep this instruction booklet handy in case you need to consult it again.

Please send the **PASSPORT** to the address indicated therein.

RECOMMENDATIONS

The following recommendations are designed to ensure that the device always functions reliably: **Never open the casing!** To do so would expose you to the risk of an electric shock. Should repairs prove necessary, leave them to qualified service personnel.

Avoid dust and high moisture levels, direct sunlight and extremely high or low temperature. Safeguard the device from excessive vibration. Always place the unit on a stable and horizontal surface.

See to adequate ventilation. The device should not be placed on soft surfaces (carpet, cushions, etc.). When mounting it in a rack, make sure that the rear and lateral cooling vents remain unobstructed (amp heads), resp. that the rear cooling vents remain unobstructed (combos).

Avoid leaving the unit near radiators or other

objects producing heat.

Internal components should only be adjusted or cleaned by qualified service technicians.

Ensure no object or liquid penetrates the device through its cooling vents.

When replacing a fuse make sure you fit in one of identical value!

Have the device examined by a qualified service technician in the following cases:

- the mains lead or mains switch have been damaged,
- objects or liquids have penetrated the device,
- it has been exposed to excessive moisture,
- malfunctions or abnormal operating conditions have occurred,
- the device has been dropped or the casing damaged.

HINTS

To ensure secure rack or sleeve mounting you will find two nuts on the bottom side of the amplifier for additional fastening (all amp heads).

Do only operate effects pedals in-between the instrument and the amplifier, as these devices are not designed for the supplied load of an effects loop.

- Remove the plug whenever changing a fuse.
- Only ever replace a fuse with another of the same type. Never bridge defective fuses.
- Make sure the top and bottom of the device are properly ventilated and that the vents are not blocked. In the rack, leave at least 2cm free above the unit and do not remove the feet.
- Do not subject the device to excessive vibration or hard jolts as these could damage the valves ("tubes").
- After using the device, allow around 10 minutes for the valves to cool down before moving it.
- At power-up, the valves (tubes) need at least 30 seconds to warm up before achieving operation

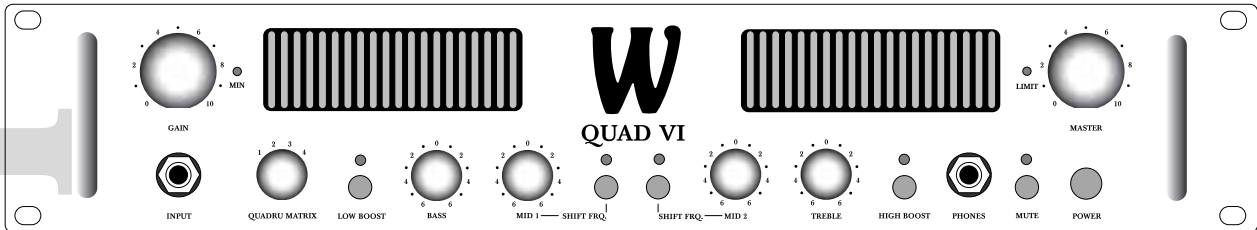
Each W-Pro unit has been conceived to match perfectly as a system-component within this series. Therefore best sound results can be achieved by mutual combination of these devices.

Many combinations are possible and allow gradual upgrading of several high-quality systems within different performance scales and for almost every kind of application.

readiness and a further few minutes before they can deliver full power.

- When changing the valves, replace them only with valves selected by Warwick, to avoid problems like noise, microphonism and imbalance. (special selection criteria).
- Valves can become very hot. Danger of combustion.
- Don't undertake repairs yourself.
- Only allow the case to be opened by qualified personnel. (Remove the plug).
- Repairs and valve changes should only be undertaken by qualified personnel.

FRONT CONTROL PANEL



INPUT Socket for the connection of a bass

GAIN Control + LED to adjust the input level.

LED lights green Minimum signal

LED lights yellow Tube compression

QUADRUMATRIX Rotary switch to alter the basic character of the Quadruplet. Also alters the operating frequencies of the tone controls. (For frequency diagrams see below)

Q1 and Q2 are pure preamp signals. The Quad VI offers with Q3 and Q4 a tube based power amp (EL 84 and output transformer), which gives you the sound of a full-tube amplifier. The Quad IV simulates this by EQ-presets.

LOW BOOST Switch + LED to Boost low frequencies

BASS Rotary control to Cut or Boost low frequencies

MID 1 Rotary control to Cut or Boost low-mid frequencies

SHIFT 1 Switch + LED to set the operating frequency of MID 1

MID 2 Rotary control to Cut or Boost high-mid frequencies

SHIFT 2 Switch + LED to set the operating frequency of MID 2

TREBLE Rotary control to Cut or Boost high frequencies

HIGH BOOST Switch + LED to Boost high frequencies

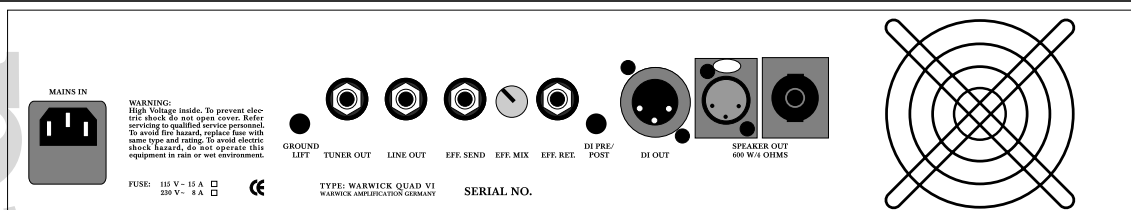
PHONES Headphone socket (min 200?).

MUTE Switch + LED mutes all the outputs of the Quadruplet except the PHONES socket and simultaneously activates the TUNER OUT socket (Rear Panel). When the MUTE switch is depressed, the LED shines red. In an operation ready state, the LED shines green.

POWER On/Off switch for the Mains Power.

MASTER Rotary control to determine the overall volume.

REAR PANEL



MAINS IN AC terminal with integrated fuse compartment for connection to the mains power supply

GROUND LIFT Switch to separate the grounding conductor from the audio signal ground. When several devices are grounded to the same point and interconnected with shielded cables, a ground loop hum can result. If this happens, depress the **GROUND LIFT** switch to eliminate the hum.

TUNER OUT Socket for a tuning device. The

pure bass signal is available at this socket when the Preamp is switched MUTE.

LINE OUT Output for connection to an external power stage (post MASTER).

DI PRE/POST When this switch is depressed, the signal at the DI OUT socket is the pure bass signal (PRE). Otherwise it is the signal after the tone controls and any connected effects devices have done their work (POST).

DI OUT Balanced output for the connection to a mixing desk (PA or Studio).

DI OUT Balanced output for the connection to a mixing desk (PA or Studio).

EFF. SEND & EFF. RETURN Sockets to implement the effects loop. Connect the input of the effects device to the **SEND** socket and its output to the **RETURN** socket.

EFF MIX control determine the degree to which the effects within the parallel loop affect the signal. **SPEAKER OUT** sockets designed to supply speaker cabinets. XLR and Speakon connected parallel.

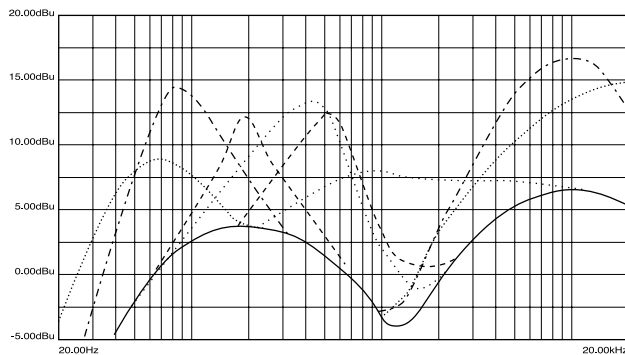
POWERING UP

1. Make sure that the device is plugged in to the mains and that any external (effects) devices are correctly connected and operation-ready.
2. Connect your bass to the amplifier's **INPUT** using a shielded line cable.
3. Turn on the power using the **POWER** switch.
4. At the conclusion of the valve(tube) warm-up phase turn the **MUTE** switch off
5. Use the **GAIN** control to set the minimum level or the desired tube compression

6. Set the desired output volume with the **MASTER** control.

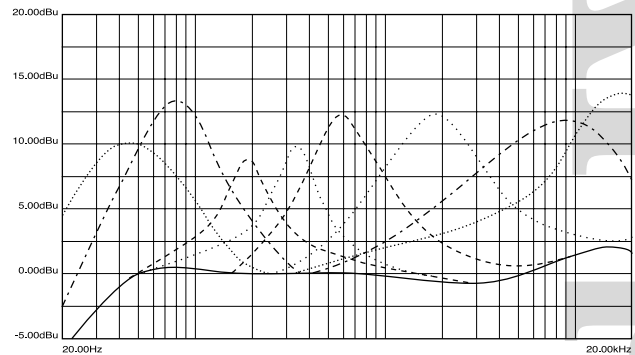
7. Adjust the controls to obtain the desired sound. To get to know the fundamental sounds of the **QUAD IV/VI**, it is advisable to begin by setting all the tone controls to 12 o'clock, before using the **QUADRUMATRIX** switch to adjust each of the four fundamental sounds in turn.

QUADRUMATRIX



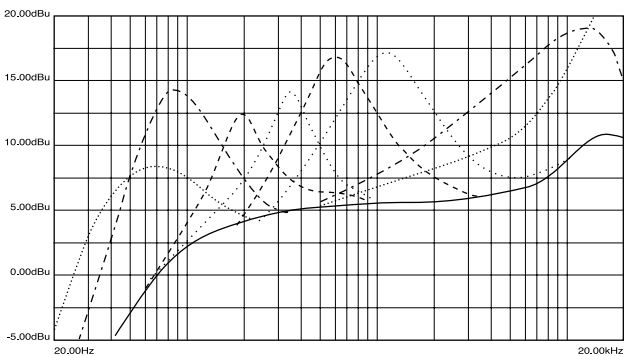
— Characteristic
 Low Boost/High Boost
 - - - Bass/Treble
 - · - · - Mid 1/2
 Mid Shift 1/2

Q1



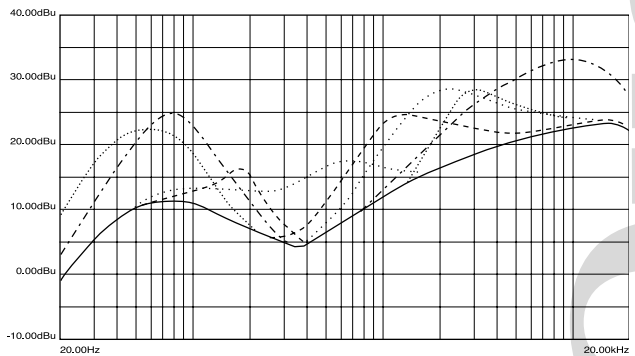
— Characteristic
 Low Boost/High Boost
 - - - Bass/Treble
 - · - · - Mid 1/2
 Mid Shift 1/2

Q2



— Characteristic
 Low Boost/High Boost
 - - - Bass/Treble
 - · - · - Mid 1/2
 Mid Shift 1/2

Q3

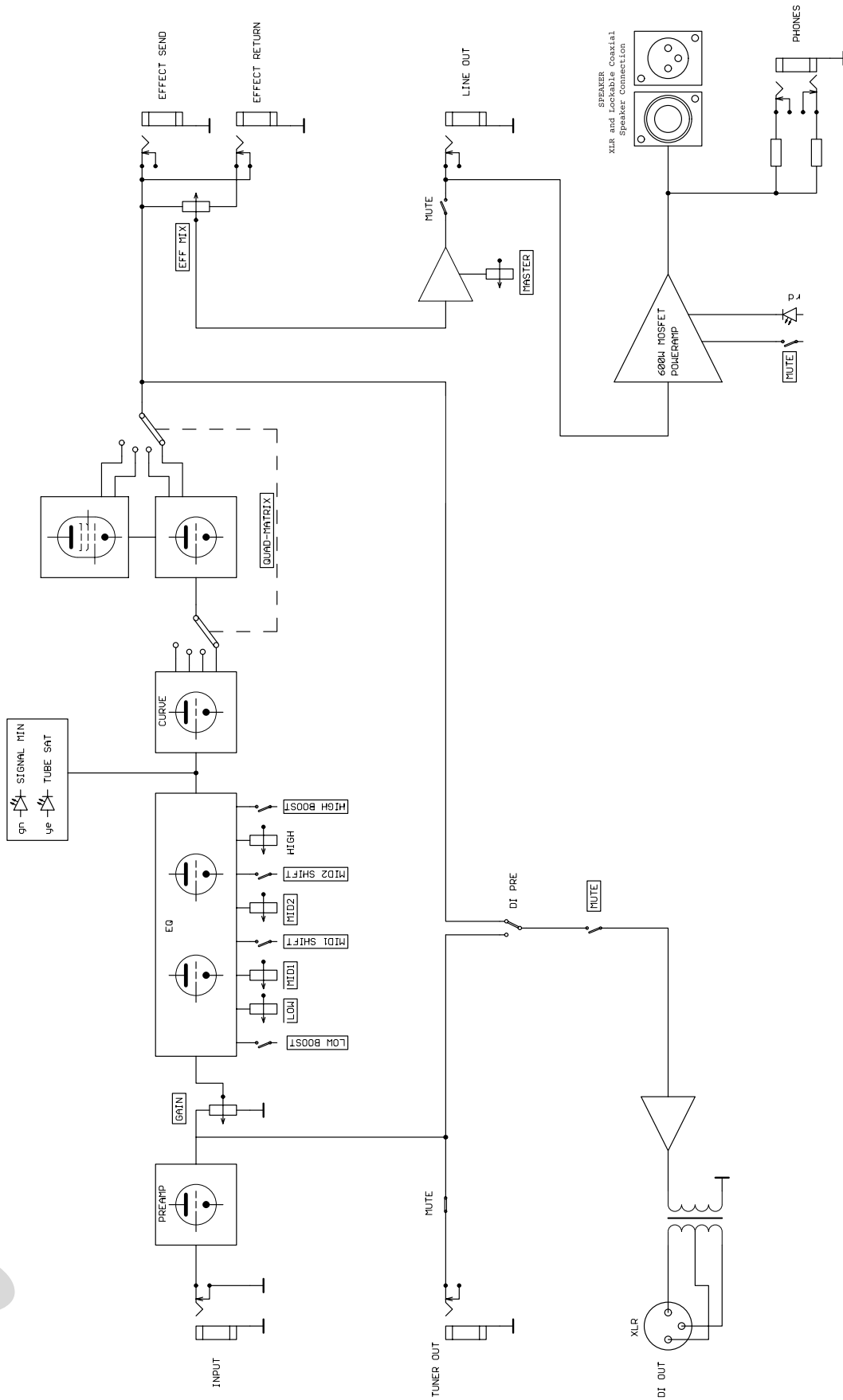


— Characteristic
 Low Boost/High Boost
 - - - Bass/Treble
 - · - · - Mid 1/2
 Mid Shift 1/2

Q4

CIRCUIT DIAGRAM

Quad VI



Sonic II / III	Pro Fet III	Pro Fet IV	Pro Tube IV	Pro Tube IX	Quad IV / VI
25 mV	25 mV	25 mV	25 mV	25 mV	25 mV
transistor, active controlled	transistor, active controlled	transistor, active controlled	transistor, active controlled	transistor, active controlled	all tube
none	none	none	dual tube	dual tube	none
fan cooled (non permanent)	fan cooled (non permanent)	fan cooled (non permanent)	fan cooled (non permanent)	fan cooled (non permanent)	fan cooled (temperature controlled)
bass, mid low, mid high, treble controls, low boost and high boost switches	bass, punch, param. mids with freq. and level controls, attack, treble, low boost and high boost switches. Dyn. control with switchable limiter	3-way switches for low boost/flat/cut mid boost/flat/cut high boost/flat/cut param.freq.contr., 8-band graph. EQ +/-12 dB, dyn.contr. with switchable limiter (3-way)	3-way switches for low boost/flat/cut mid boost/flat/cut high boost/flat/cut param.freq.contr. contour switch, dyn. control with 2nd tube and crunch control.	3-way switches for low boost /flat/cut mid boost/flat/cut high boost /flat /cut param. freq.contr.,contour switch, dyn. control with 2nd tube and crunch control.	Quadrumatrix bass, mid 1 (+shift), mid 2 (+shift), treble, low boost and high boost switches
none	none	none	8-band graph. EQ, +/- 12dB, switches for low boost and high boost. Dyn. control with switchable limiter	10-band graph. EQ, +/- 12dB, switches for low boost and high boost. Dyn. control with switchable limiter	none
200 Ω	200 Ω	200 Ω	200 Ω, stereo	200 Ω, stereo	200 Ω, stereo
	0 dB, 600 Ω	0 dB, 600 Ω	2x0 dB, 600 Ω, stereo or 2x mono	2x0 dB, 600 Ω, stereo or 2x mono	0 dB, 600 Ω
mono serial send 0 dBu, 600 Ω return 0 dBu, 10 kΩ	mono serial send 0 dBu, 600 Ω return 0 dBu, 10 kΩ	mono serial send 0 dBu, 600 Ω return 0 dBu, 10 kΩ	stereo serial send 0 dBu, 600 Ω return 2x0dBu, 10kΩ	mono serial send 0 dBu, 600 Ω return 0dBu,10kΩ stereo parallel, send fullrange or 200 Hz low cut, same values	mono parallel send 0 dBu, 600 Ω return 0 dBu, 10 kΩ
DI pre/post	ground lift, DI pre/post	ground lift, DI pre/post	ground lift, DI pre/post	ground lift, DI pre/post, stereo, biamp, low cut	ground lift, DI pre/post
none	none	none	none	X-over, 2x balance	Effects mix
none	none	graph. EQ on	CH 1/2	CH 1/2	none
II: 200 W/4Ω III: 300 W/4Ω	250 W/4Ω jack XLR & Speakon	400 W/4Ω jack XLR & Speakon	400 W/4Ω jack XLR & Speakon	2x450 W/4Ω jack XLR & Speakon	IV: 400 W/4Ω VI: 600 W/4Ω
<0.1%	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%
II: 8,3 ; III: 10,7	11,5	12,5	15,0	22,3	IV: 15,0 ; VI: 16,5
500x90x285	19"/483x90x375	19"/483x90x375	19"/483x90x430	19"/483x135x455	483x90x430

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