

Laney

CONCEPT USER MANUAL

MODEL : CR120
CR150
CR300
CR400

ISSUE 1997

Concept

THANK YOU

We at Laney are extremely pleased that you have decided to select a Concept product for your sound requirements and we wish to reinforce your judgement by ensuring you get off to a flying start by including this comprehensive user manual to assist you in getting to know your equipment.

Before switching on please read this manual carefully since whilst you may well be an experienced user no two brands are the same, and on reading this manual you will become aware of the subtle advantageous differences that Concept offers over its competitors.



UNPACKING

On unpacking your Concept please check carefully for any signs of damage that may have occurred whilst in transit from the Laney factory to your dealer. In the unlikely event that there has been damage please repack your unit in its original carton and consult your dealer.

We would strongly advise you to store away your original transit carton since in the unlikely event that some time in the future your unit should develop a fault, you will be able to return it to your dealer for rectification securely packed.

IMPORTANT SAFETY INFORMATION

Your Concept product should be fitted with a three pin 'grounded' (or 'earthed') plug. Please make sure that the mixer is powered from a 'grounded/earthed' outlet.

If changing or fitting a plug yourself, ensure that the applicable wiring code is adhered to, for example in the UK the cable colour code for connections are as follows:

EARTH OR GROUND	——	GREEN/YELLOW
NEUTRAL	————	BLUE
LIVE	————	BROWN

The Concept product should never be exposed to moisture or wetness under any circumstances since this would represent a possible shock or fire hazard, and may cause expensive damage to your valuable possession.

In the unlikely event that a fuse should blow, it is imperative that you or your engineer, use a correctly rated replacement.

Details of the fuse required is printed on the rear panel of the mixer, please take special care to use a 'time delay' fuse wherever stated.

CR120, CR150, CR300 & CR400 *User Manual*

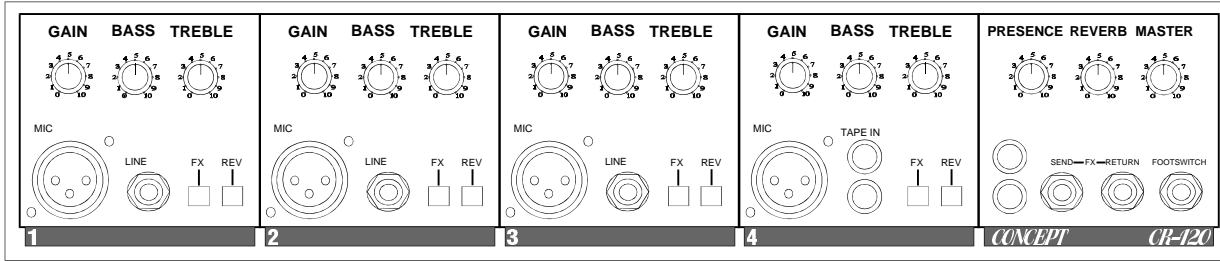
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FEATURES CR120/150



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WARNING THIS EQUIPMENT MUST BE EARTHED
 SUPPLY VOLTAGE - 115V - T2A & FUSE RATING - 230V - T5A

ATTENTION REMPLACER LE FUSIBLE PAR LE MEME ET LE CALIBRE

CAUTION TO REDUCE THE RISK OF FIRE HAZARD REPLACE FUSE WITH SAME TYPE AND RATING ONLY

CAUTION TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVERS. NO SERVICABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE

MAXIMUM POWER CONSUMPTION 240 WATTS - 50-60 Hz

MADE IN THE UNITED KINGDOM BY BLT INDUSTRIES

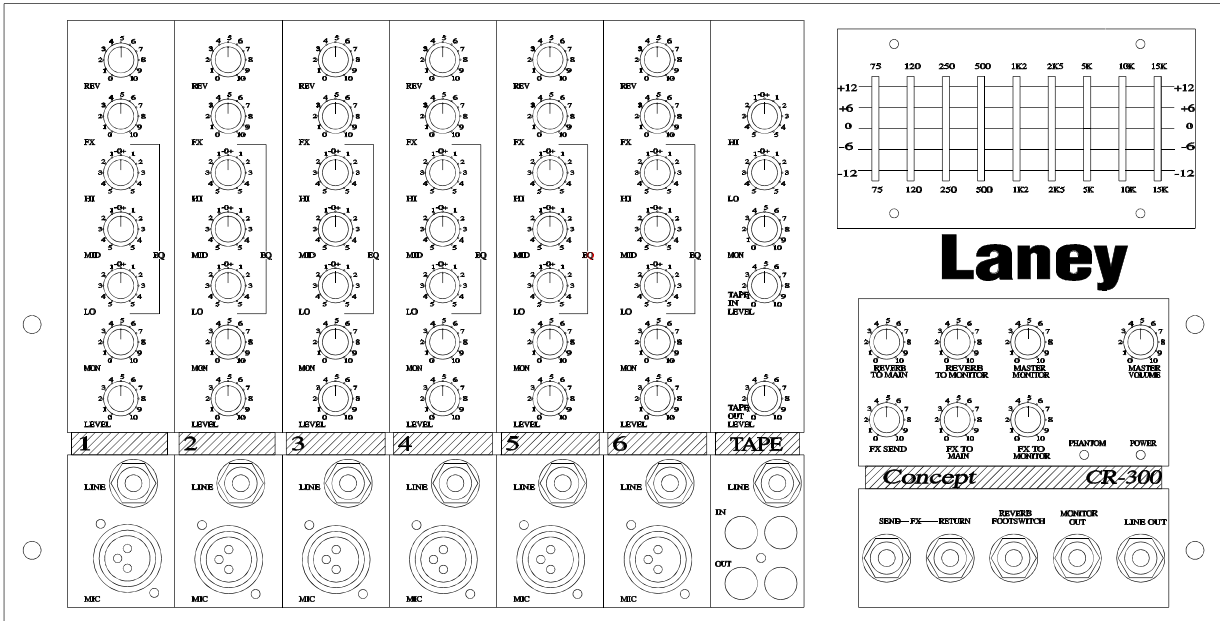
TOTAL MINIMUM LOAD = 4 OHMS

SPEAKER OUTPUTS

SERIAL No: _____

LINE OUT

FEATURES CR300/400



CAUTION TO REDUCE THE RISK OF FIRE HAZARD REPLACE FUSE WITH SAME TYPE AND RATING ONLY.

ATTENTION REMPLACER LE FUSIBLE PAR LE MEME ET LE CALIBRE.

WARNING THIS EQUIPMENT MUST BE EARTHED.

CAUTION TO REDUCE THE RISK OF FIRE OR ELECTRICAL SHOCK DO NOT REMOVE COVERS. NO SERVICABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

MAXIMUM POWER CONSUMPTION 800 WATTS - 50-60 Hz

POWER SUPPLY VOLTAGE ~230V & FUSE RATING ~115V

MADE IN THE UNITED KINGDOM BY BLT INDUSTRIES LTD.

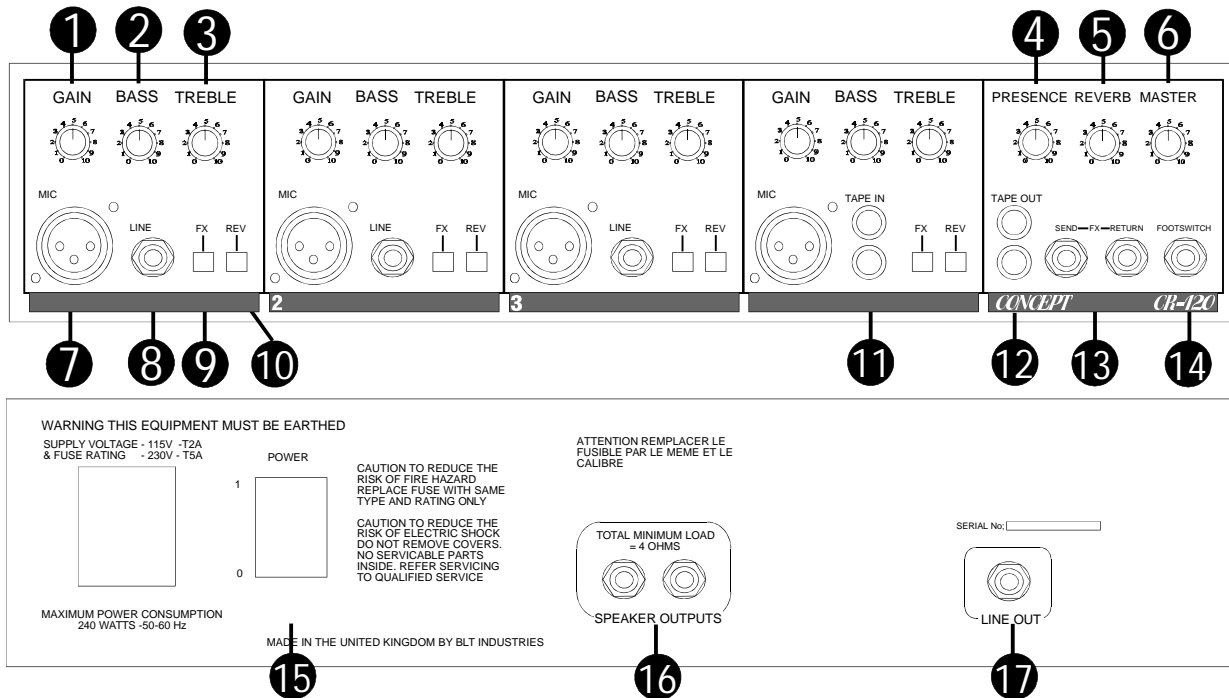
SERIAL No: _____

DO NOT OBSTRUCT FAN APERTURE

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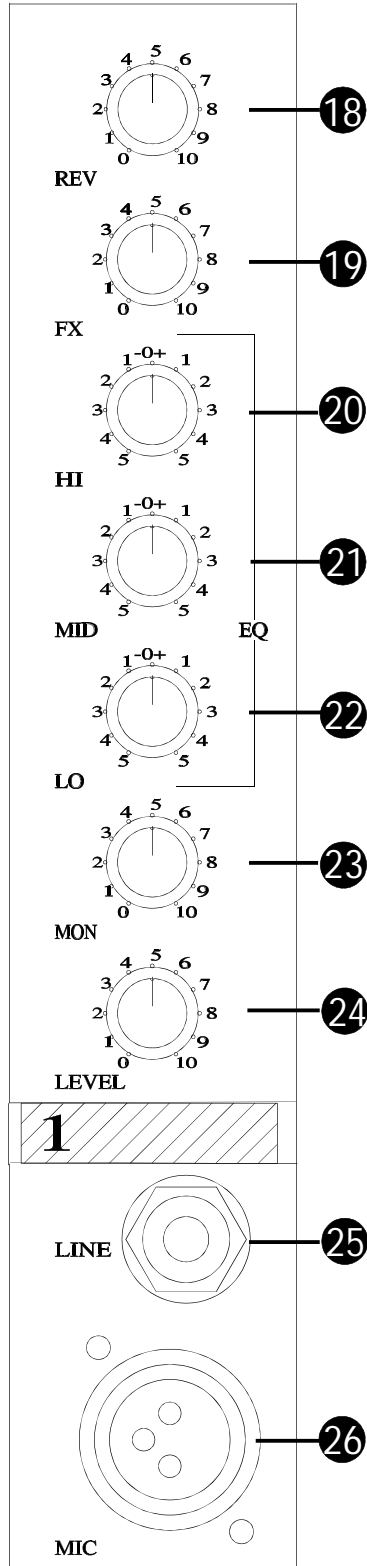
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FEATURES CR120/150



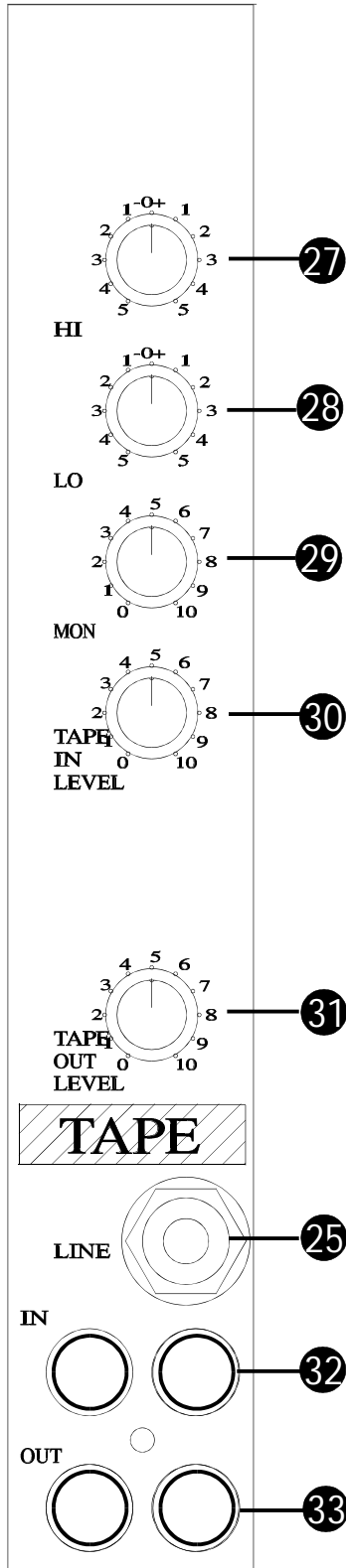
- 1 **GAIN:** Adjusts channel level, this enables the user to balance gain levels across each channel.
- 2 **BASS:** Adjusts the channels low frequency response.
- 3 **TREBLE:** Adjusts the channel high frequency response.
- 4 **PRESENCE:** Controls the high frequency response of the power amplifier.
- 5 **REVERB:** Controls the overall reverb output level.
- 6 **MASTER:** Master volume control, controls the overall volume
- 7 **MIC:** XLR input for low impedance microphone (200-600 Ohm)
- 8 **LINE:** Jack input socket for all line level signals eg: Keyboard, mic or drum machine.
- 9 **FX:** Switches the FX units to channels ON and OFF.
- 10 **REV:** Switches the reverb to channel ON and OFF.
- 11 **TAPE/CD IN:** Phono input for tape or CD playback.
- 12 **TAPE OUT:** Phono output sockets for tape recording.
- 13 **SEND & RETURN:** Send & return sockets for connecting effects units to the effects loop.
- 14 **FOOTSWITCH:** Socket for connecting optional footswitch for reverb switching.
- 15 **POWER:** Power On/Off switch.
- 16 **SPEAKER OUTPUTS:** Two jack sockets are provided for connection of loudspeakers. The CR120 will deliver 120 watts into 4 Ohms the CR150 will deliver 150 watts into 4 Ohms. Under no circumstances should the total load seen by the amplifier be below 4 Ohms. Thermal shutdown is likely to occur and may result in long term reliability being impaired.
- 17 **LINE OUT:** Jack socket supplying a signal that can be used to drive additional power amps.

FEATURES CR300/400



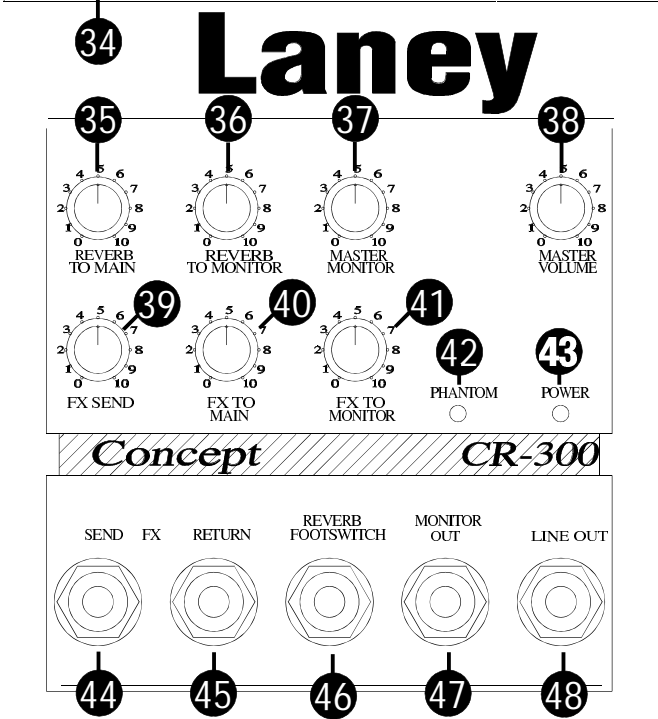
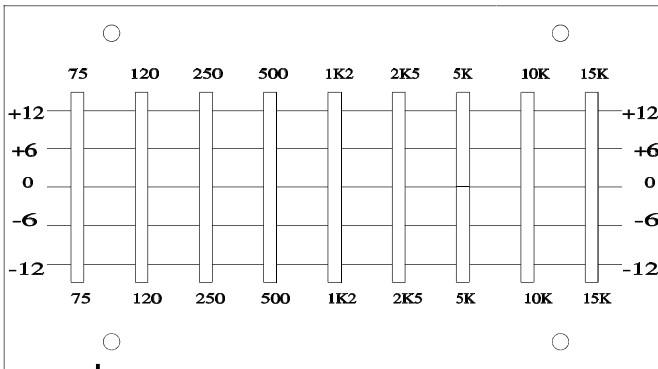
- 18** **REVERB:** Adjusts the channel reverb level, this enables the user to balance reverb levels across each channel.
- 19** **FX:** Adjusts the level of signal sent to the FX send in the master section.
- 20** **HI:** Adjusts the channels high frequency response.
- 21** **MID:** Adjusts the channels mid frequency response.
- 22** **LO:** Adjusts the channels lo frequency response.
- 23** **MON:** Adjusts the channel signal level sent to the monitor out jack socket
- 24** **Level:** Controls the individual channel level.
- 25** **LINE:** Jack input socket for all line level signals eg: Keyboard, mic or drum machine.
- 26** **MIC:** XLR input for low impedance microphones (200 - 600 Ohm)

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- 27** **HI:** Adjusts the tape channels hi frequency response.
- 28** **LO:** Adjusts the tape channels low frequency response.
- 29** **MON:** Adjusts the level of tape channel signal sent to the monitor out jack socket.
- 30** **TAPE IN LEVEL:** Adjusts the level of signal for the tape channel. Used to get an optimum signal level.
- 31** **TAPE OUT LEVEL:** Adjust the level of tape channel.
- 25** **LINE:** Jack input socket for all line level signals eg: Keyboard, mic or drum machine.
- 32** **TAPE IN:** RCA input for connecting external devices such as tape, DAT, DCC, MD players etc.
- 33** **TAPE OUT:** RCA outputs for connecting recording devices. Output level controlled by 31.

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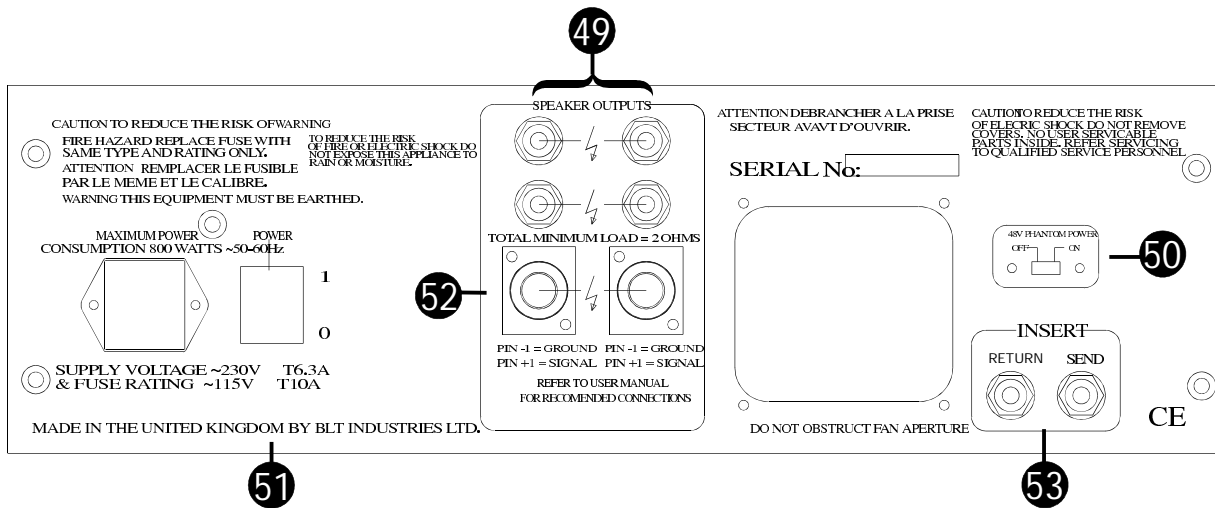


- 34 **GRAPHIC EQ:** A 9 band graphic equaliser allows the user to compensate for house acoustics.
- 35 **REVERB TO MAIN:** Adjusts the overall level of reverb to the main outputs.
- 36 **REVERB TO MON:** Adjusts the level of reverb sent to the monitor out.
- 37 **MASTER MONITOR:** Controls the output level of the signal sent to the monitor out.
- 38 **MASTER VOLUME:** Controls the overall listening volume of the amplifier.
- 39 **FX SEND:** Controls the level of signal sent to external processing equipment connected via the FX send and return sockets.
- 40 **FX TO MAIN:** Controls the level of FX return signal sent to the master outputs.
- 41 **FX TO MONITOR:** Controls the level of FX return sent to the monitor output.
- 42 **PHANTOM POWER:** 48V phantom power is provided for condenser microphones. It is globally switched to all MIC XLR sockets via a switch on the back panel. Phantom power source must always be switched OFF when using unbalanced sources connected to the MIC inputs otherwise the source may be damaged. Condenser microphones should be connected to MIC inputs before the phantom power is switched on.
- 43 **POWER:** LED indicating that the unit is powered up.
- 44 **FX SEND:** Jack socket provided for connecting external processing devices. Level of signal present at this socket controlled by 19 for individual channel level and 39 for the over all master level.
- 45 **FX RETURN:** Jack socket provided to accept the return signal from external processors.
- 46 **REVERB FOOTSWITCH:** Allows connection of an FS1 for remote switching of reverb.
- 47 **MONITOR OUT:** Sends mixed monitor signal to external power amplifier or additional powered monitor
- 48 **LINE OUT:** Sends master signal to external power amplifiers or additional powered

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- 49 SPEAKER OUTPUTS:** Jack socket outputs for external speaker enclosures. Total impedance should not exceed 2 Ohms.
- 50 48V PHANTOM POWER SWITCH:** Allows the units 48V Phantom power to be activated.
- 51 POWER SWITCH:** Power ON/OFF switch.
- 52 SPEAKON CONNECTORS:** Speakon connectors for connecting speakon equipped enclosures. Under no circumstances should the total load on the amplifier be less than two ohms.
- 53 INSERT LOOP:** An insert loop is provided before the internal power amplifier. These are provided for connection of products such as compressors, limiters and feedback eliminators etc. One jack socket is provided for a send and one jack is provided for a return.

In the interest of continuing product development
BLT Industries Ltd reserve the right to amend technical
specifications without prior notification.