

ENGEL



Road

Operator's manual

Please read these instructions carefully before operating the Road!



Your **ENGL** Road amplifier lives up to its name; rugged components and sophisticated tube technology keeps you and your gear on the road. Three channels featuring individual Gain and Master controls enable you to dial in quality tube sounds and determine the overall balance. This feature, and the intelligent utilization of high-tech features define the **ENGL** Road as a class produkt.

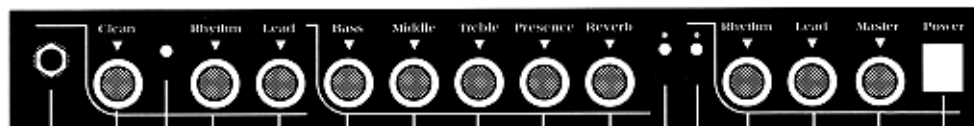
The clean channel features impressive, crystal-clear, sparkling tone. The rhythm channel boasts a broad spectrum, from slight overdrive to heavy duty rhythm crunch. The Lead channel features a warm, harmonic-overtone laden lead sound with plenty of punch and massive gain reserves. Its practical features include a filtered, balanced Line output complete with 4 x 12" cabinet simulation for direct mixer input. The mix input with integrated presence and volume controls comes in handy for looping in a tape recorder or another guitar. Innovative technology in the form of an emergency circuit prevents total amplifier shut-down following a power tube failure. ESC (Emergency Circuit System) lends the amp roadworthy attributes. Appealing design, quality craftsmanship, and a spring-loaded chassis that protects tubes and electronic components from transport damage round off the picture. However, keep in mind that a few precautions will radically extend tube life (see the Handling and care guidelines).

The entire **ENGL** Team would like to thank you for your faith in our product; we hope you derive a great deal of joy and satisfaction from your **ENGL** Road amplifier!

Handling and care

- Protect the amp from mechanical knocks (tubes!).
- Let the amp cool down before you transport it (app. 10-20 minutes).
- Tubes need about 20 seconds to warm up after you switch the power on.
- Avoid storing the amp in damp or dusty rooms, they are hard on jacks, switches and potentiometers.
- Ensure air can circulate at the rear of the amp to allow for adequate cooling (increases component life).
- Never operate the amp without an adequate load.
- Replace tubes with select **ENGL** replacement tubes (special selection criteria) to avoid microphonic properties, undesirable noise and unbalanced performance.

Front Panel



Power
AC mains switch

Master Volume

Master volume for Clean, Rhythm, Lead channels and Mix output.
Dial in desired volume levels here

Lead Volume

Regulates the Lead channel's volume

Rhythm Volume

Regulates the Rhythm channel's volume

Rhythm/Lead

Switches between Rhythm/Lead channels (footswitchable).

Red LED illuminates when Lead channel is active.

Channel presets possible with this switch

Clean/Rhythm

Switches between Clean/Rhythm/(or Lead) channels (footswitchable).

Yellow LED illuminates when Rhythm channel is active.

This switch has priority.

Reverb

Regulates the amount of Reverb (also footswitchable).

Presence

Regulates power amp treble

Treble

Regulates treble parameters

Middle

Regulates mid-range parameters

Bass

Regulates bottom-end parameters

Lead-Gain

Regulates the degree of distortion in the Lead mode. **Caution:** Avoid extremely high Gain and Volume levels in the Lead/Rhythm mode. They can produce strong feedback, which leads to hearing loss and damaged speakers!

Rhythm Gain

Regulates degree of distortion in the Rhythm mode.

Simultaneous function as pre-gain for the lead channel

Bright

Treble boost for both channels

Clean Gain

Regulates input signal level for the Clean channel

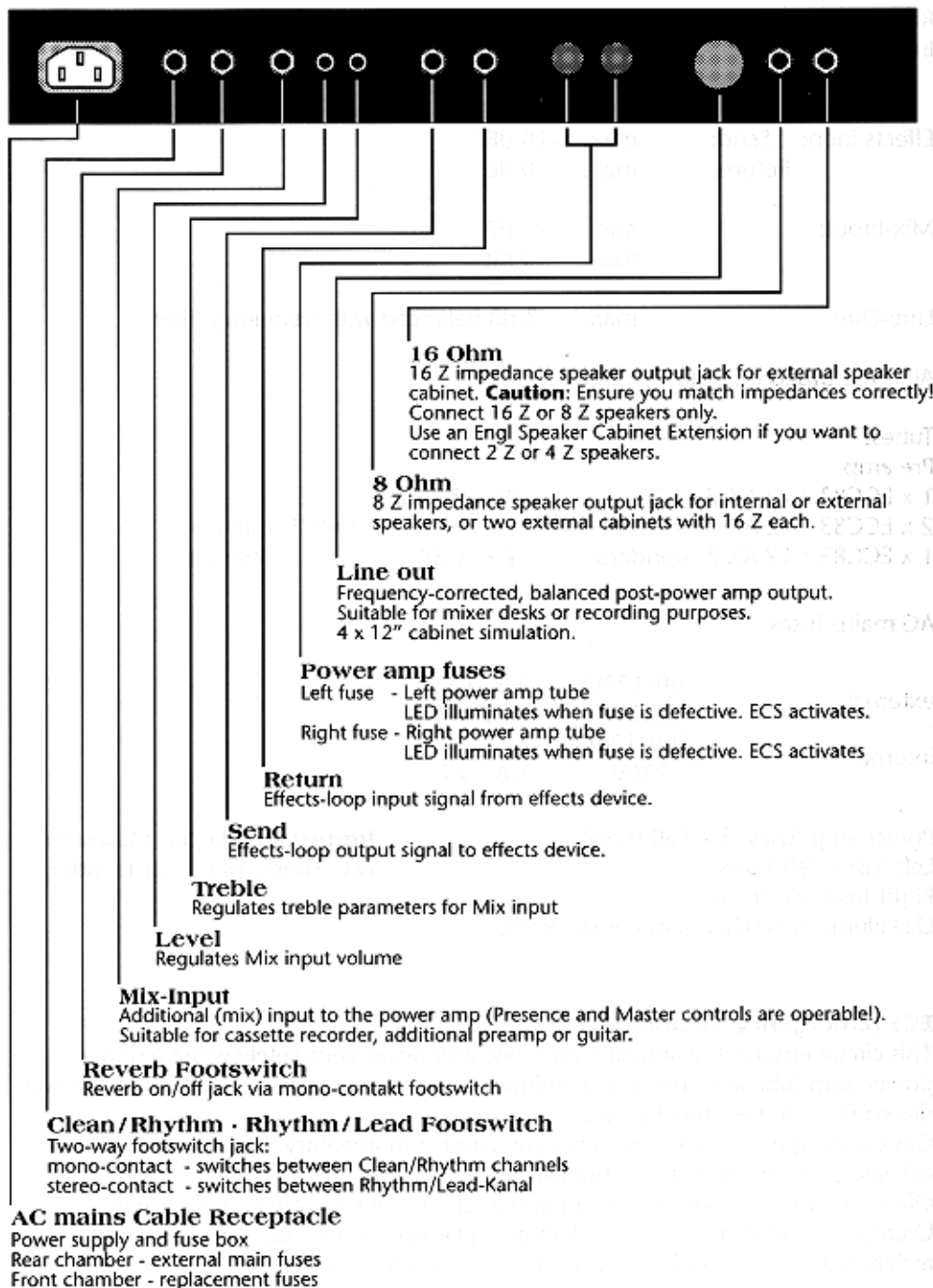
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Single-Coil > 6-9

Input jack

1/4" balanced input jack

Rear Panel



Technical data

Rated power: app. 50W at 230V

Input level (gain): max. 0 dB at app. 1 V
 min. -35 dB

Effects loop: Send: max. -10 dB
 Return: max. 0 dB

Mix-Input: min. -20 dB
 max. - 3 dB

Line-Out: max. - 3 dB balanced with frequency filter

All levels based on 0 dB = 0.775 V

Tubes:

Pre amp

1 x ECC83 / 12 AX 7A F.Q.

2 x ECC83 / 12 AX 7 selected

1 x ECC83 / 12 AX 7 standard

Power amp

1 x ECC83 / 12 AX 7 standard

2 x EL 34 selected

AC mains fuses

external	100/120V	2.5 AM
	230V	1.25 AM
internal	100/120V	3.15 AT
	230V	1.6 AT

Power amp fuses: 2 x 160 mA

Left fuse = left tube

Right fuse =right tube

LED illuminates when a fuse is defective

Important: Replace fuses only with others of the same rating!

ECS (Emergency-Circuit-System)

This circuit ensures the amplifier does not shut down completely when a single power amp tube fails. The amp continues to perform at app. 1/3 of the rated power, depending on the type of defect.

Gas escaping from the power tubes can cause a momentary short circuit. The fuse activates, but the amp is not shut down!

Often, the tube absorbs the escaping gas, and is operable after a short circuit.

Usually, the problem can be rectified by replacing the fuse, but if the new fuse activates as well, the defective power tube needs to be replaced.

Attention! Please read the following!

- Leave tube replacement and power amp biasing to a qualified professional. Ensure the unit is switched off and unplugged!
- **Caution** -tubes can get very hot and cause **skin burns**
- Always use high-quality cables.
- Never operate the amp through an ungrounded outlet!
- Never bridge a defective fuse and ensure replacement fuses feature identical ratings!
- Pull the AC mains plug before replacing fuses!
- Never open the chassis or attempt repairs on your own. Consult qualified service personnel!
- Never expose the amplifier to extreme humidity or dampness!
- Please read the instructions carefully before operating the road!

We reserve the right to make unannounced technical upgrades!