



OPERATING INSTRUCTIONS

PA-30 WIDEBAND D3 AMPLIFIER WITH PASSIVE RETURN

PA-30 is designed for house amplifier with interactive services in two-way networks.

INSTALLATION

PA-30 must be installed in a dry and locked room. The amplifier can be installed on the wall by using fixing holes.

Sufficient air current must pass around the unit.



Fig. 1.

CABLES AND CONNECTIONS

Connect the input and output RF coaxial cables to the **RF IN** and **RF OUT** connectors of PA-30.

PA-30 can be powered either locally powered (**DC/AC IN**) or remote powered through coaxial cable (**RF + DC/AC IN**) with the power inserter XPI-1 (accessory).

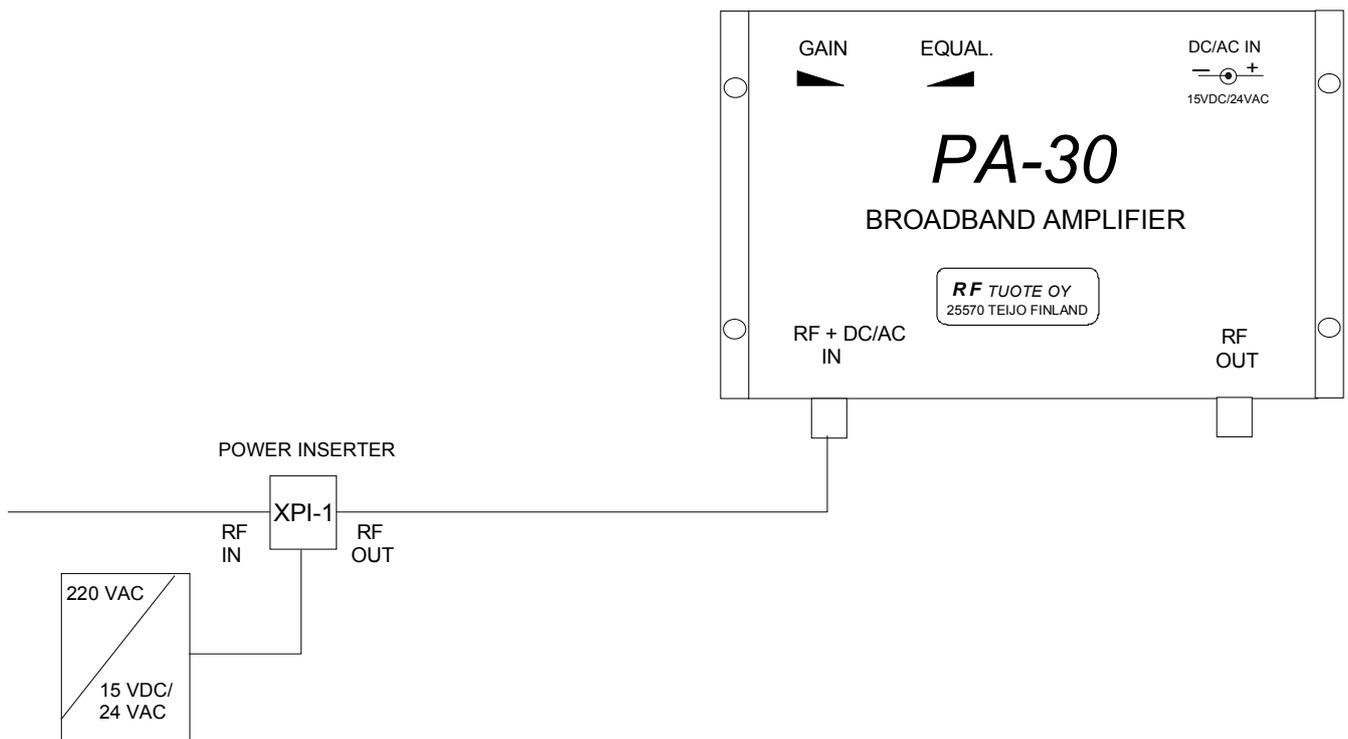
To ground the unit use the screw situated at the side of amplifier.

ADJUSTMENTS

To adjust the basic gain connect the spectrum analyser to **RF OUT** connector and use the GAIN and LINE EQUALISER controls.

SPECIFICATION

Frequency range	Model PA-30/65	88 ... 862 MHz
Basic gain		28 dB
Linearity		± 1 dB
Max. output level		115 dB μ V DIN45004B @ 862 MHz
Noise figure		3 dB
Return loss input/output		14 dB -1,5 dB/octave
Adjustment range for level control		0-20 dB
Adjustment range for line equalizer		0-18 dB
Return path	Model PA-30/65	5 ... 65 MHz
Return path gain		0 dB
Power consumption		15VDC/130 mA or 24VAC
RF connections		F-female
Operating temperature range		-20...50 C
Dimensions		85 mm (W)*70 mm (H)*25 (D) mm



Remote powering of PA-30 amplifier