

HL305V CONNECTION AND TUNE-UP PROCEDURE

The HLA305V power amplifier is designed to be connected by ANT output connector to the 50 Ohm antenna of type expected for the wavelength to be used. The operation of HLA305V begins when the frequency and power on signal available on INPUT connector are inside the specification and threshold expected. the choice of using frequency band can be perform by selector on front side of equipments. This can be done between 6 defined bands or in automatic selection. In this last way (Auto) power amplifier feels the signal frequency present on INPUT connector and switch on the correct functional band.

Signal input on RX connector must be provided from external RF source that has an output power maximum of 10Watt. HLA305V has the input circuit protected for a power input maximum of 30Watt, exceed this power value could mean damage the device.

HLA305V must be powered by external supply provided by battery or AC/DC converter by POWER IN terminal put on frontal side of equipment. Since the HLA305V have a 200W maximum output power, external power source must be able to provide this current, typically no higher than 45 Amps to guarantee a correct function of power amplifier.

POWER IN terminal is protected in case of application of reversed polarity by internal circuitry.

