

* Tune-up Procedure for Linear Amp HL-1.5KFX *

1. Referring to 7. Connection & Operation of the User Manual at page 11, SEND-STBY control cable (RCA jacks) and a 50 ohm coax jumper cable should be connected between the driving amateur transceiver (such as ICOM IC-756Pro, Yaesu FT-1000MP, Kenwood TS-950 etc.) and the HL-1.5KFX amplifier. ALC connection is not necessary for the power testing. A 50 ohm dummy load should be connected to the ANT1 and 1 should be selected with the push button switch on the front panel accordingly.
2. Through-line RF power meters should be inserted in the driving coax and the output coax to monitor the operation status. If the RF power signal generator is going to be used to drive the amplifier instead of the amateur transceiver, SEND terminal (RCA jack) must be shorted to the ground using the RCA plug (center pin being shorted to ground). If the amateur transceiver is used, the band data cable may be connected between the transceiver and the linear as explained in the 9. Band Data Cable Connection (page 14 thru 17) for the automatic band change of the linear amplifier.
3. Plug the AC cord into the 230V line. If the AC line voltage is different from 230V, the wiring of the power transformer primary must be re-wired according to the illustration per 5. AC Line Voltage of the user manual (page 6).
4. If the amateur transceiver is used, set the MODE switch to RTTY (or CW). At first, the carrier level must be set to the minimal position. To test the power output of the amplifier, key the driving transceiver or the power source. Increase the carrier (RF power) level gradually so that the approximately 300W output is obtained. If every thing is smooth and the amplifier is stable, further increase the driving level to achieve the maximum output (around 900W on HF, and 500W on 50MHz).
5. The test should be periodically paused to cool the amplifier. Cooling fan will become a high speed mode when the heat sink temperature reaches 40 deg. C.