

ADJUSTEMENT OF THE S.W.R.

THE S.W.R. (Standing Wave Ratio)

All President antennas are delivered pre-adjusted. Nevertheless the environment and the location selected for the installation are as many factors liable to make vary the S.W.R. So it is important to check if your antenna is perfectly connected before using your CB radio. Transmission with a non adjusted antenna, a damaged antenna cable or a disconnected antenna can cause important damages on your transceiver.

ADJUSTMENT OF THE S.W.R.

This adjustment, which has to be done accurately, improves the performance of your installation and avoids damage of your transceiver (a transceiver damaged by a maladjusted S.W.R. is not covered by the guarantee). This operation has to be done imperatively during a changing of the antenna. This adjustment has to be made in a free and open location.

Adjustment with internal SWR-meter

NEW, EASY AND VERY HANDY- Adjustment of SWR meter by beep tones

Some of our models are equipped with automatic SWR function.

The measurement of the SWR is done on the channel and the active band. To activate this function:

- Go to the menu and select SWR.
- The radio goes to TX mode automatically without pressing PTT key and starts SWR measurement.
- Measurement time is 5 minutes maximum. The remaining time is displayed on sub Indicator.
- Adjust your antenna.
- Tone beep* is continuous when SWR value is equal to 1,0. The space between two beeps became longer when SWR value moves away from 1,0.
- Volume Beep is adjustable with VOL knob.
- Display shows the SWR value. For example 2,5.
- Press PTT switch to exit FUNCTIONS mode.

*Please check that the beep volume is set to a comfortable listening level.

Adjustment with external SWR-meter



SWR-meter
TOS-1



Cable PL / PL
CA-2C

CONNECTION

The S.W.R.-meter (President TOS-1 or TOS-2) is connected between the CB radio (TX) and the antenna, as close as possible to the transceiver (use a cable of max. 35 cm like CA-2C).

ADJUSTMENT PROCEDURE

1. Check all connections.
2. Set the CB radio on channel 20.
3. Set the switch of the S.W.R.-meter on position FWD (gauging).
4. Press the key of the microphone to pass into transmission and keep it in this position.
5. Bring the needle of the S-meter on the pointer ▼, ∞ or SET with the gauging button [CAL].
6. Put the switch in position REF (reading of the SWR value). The value read on the S-meter must be close to 1. In the opposite case, readjust your antenna (by sliding the radiant) until you obtain a value as close as possible to 1 (a S.W.R. value between 1 and 1,5 is acceptable).
7. In some cases, it may be necessary to shorten the radiant of your antenna of some millimetres in order to obtain a correct value.
8. It's necessary to gauge the S.W.R. meter again between each adjustment of the antenna.

Your CB radio is now ready to function.