

READ CAREFULLY BEFORE TURNING ON YOUR NEW NC-190

The following instructions are designed to allow you to immediately set up your new NC-190 for proper operation using AM, SSB or CW receiving techniques. They are ONLY intended to provide a quick reference for proper set-up procedure, and we strongly recommend that you study the detailed instructions of this manual as soon as possible.

CW OPERATION

1. Set BANDSWITCH to desired band.
2. Set DIAL SELECTOR for desired calibration.
3. Set STBY-REC switch to REC.
4. The ANL switch is inoperative in this mode of operation and may be left in any setting.
5. Set AGC switch ON.
6. Set BFO switch ON.
7. Set CAL switch OFF.
8. Turn SELECTIVITY switch to 0.6 Kc.
9. Set BFO control to approximately 1 o'clock. BFO control may be moved from this setting as desired to obtain a comfortable beat note.
10. Turn RF GAIN control fully-clockwise.
11. Turn AF GAIN control clockwise to apply power to the receiver. Volume may then be adjusted with this control for a comfortable listening level.
12. Adjust ANTENNA control for maximum background noise in the absence of a signal.
13. Rotate BANDSPREAD control to set mark at the high frequency end of the scale.
14. The MAIN TUNING control is now properly calibrated and may be used to tune the receiver. The detailed instructions in the manual should be studied for proper setting of the MAIN TUNING control when it is desired to use the calibrated BANDSPREAD scales.

USE OF THE S METER

The S meter of the NC-190 receiver will indicate relative signal strength in all modes of operation. The AGC switch must be in the ON position for S meter operation. For proper signal strength indication, the RF GAIN control should be adjusted for a reading of approximately S1 in the absence of a signal.

BROADCAST BAND RECEPTION

For broadcast reception the MAIN TUNING control and the AUDIO GAIN control correspond to the TUNING and VOLUME controls of any broadcast receiver and may be so used providing the rest of the receiver controls are adjusted as indicated below:

1. Set BANDSWITCH to .54-1.6 Mc.
2. Set STBY-REC switch to REC.
3. Set ANL switch OFF.
4. Set AGC switch ON.
5. Set BFO switch OFF.
6. Set CAL switch OFF.
7. Turn SELECTIVITY switch to 5 Kc.
8. Turn RF GAIN to 3 o'clock.
9. Set BANDSPREAD tuning to set mark at high frequency end of scale.

AM OPERATION

1. Set BANDSWITCH to desired band.
2. Set DIAL SELECTOR for desired calibration.
3. Set STBY-REC switch to REC.
4. Set ANL switch ON or OFF as desired.
5. Set AGC switch ON.
6. Set BFO switch OFF.
7. Set CAL switch OFF.
8. Turn SELECTIVITY switch to 5 Kc or 3 Kc.
9. Turn RF GAIN control fully-clockwise.
10. Turn AF GAIN control clockwise to apply power to the receiver. Volume may then be adjusted with this control for a comfortable listening level.
11. Adjust ANTENNA control for maximum background noise in the absence of a signal.
12. Rotate BANDSPREAD control to set mark at the high frequency end of the scale.
13. The MAIN TUNING control is now properly calibrated and may be used to tune the receiver. The detailed instructions in the manual should be studied for proper setting of the MAIN TUNING control when it is desired to use the calibrated BANDSPREAD scales.

SSB OPERATION

1. Set BANDSWITCH to desired band.
2. Set DIAL SELECTOR for desired calibration.
3. Set STBY-REC switch to REC.
4. The ANL switch is inoperative in this mode of operation and may be left in any setting.
5. SET AGC switch ON.
6. Set BFO switch ON.
7. Set CAL switch OFF.
8. Turn SELECTIVITY switch to 3 Kc.
9. Set BFO control to the USB or LSB mark to select the desired sideband (usually LSB on the 80 and 40 meter amateur bands and USB on the 20, 15 and 10 meter amateur bands).
10. Turn RF GAIN control fully-clockwise.
11. Turn AF GAIN control clockwise to apply power to the receiver. Volume may then be adjusted with this control for a comfortable listening level.
12. Adjust ANTENNA control for maximum background noise in the absence of a signal.
13. Rotate BANDSPREAD control to set mark at the high frequency end of the scale.
14. The MAIN TUNING control is now properly calibrated and may be used to tune the receiver. The detailed instructions in the manual should be studied for proper setting of the MAIN TUNING control when it is desired to use the calibrated BANDSPREAD scales.