

CC-1 CONVERTER CONSOLE

GENERAL

The DRAKE Model CC-1 converter console is designed to package 3 converters, a CPS-1 power supply and a SCC-1 crystal calibrator. DRAKE Model 2 meter and 6 meter converters are available now, and a 3rd position is incorporated for future design consideration.

The console provides for selection of the desired converter or can be used straight through on other amateur bands. A knob is provided to turn the SCC-1 crystal calibrator off and on. Knobs are also provided to change converter crystals.

INSTALLATION

Remove the CC-1 chassis from its case by removing 6 screws in the bottom and slipping the chassis out the rear.

Remove the bottom cover screw from the SCC-1. Slip the SCC-1 into the CC-1 chassis engaging the power socket and OFF-ON switch "fork" at the same time. Fasten the SCC-1 to the chassis by using the cover screw that was removed. Connect the "Black" coax cable, the SCC-1 connector marked HF.

Install the CPS-1 power supply behind the SCC-1 in the same manner the SCC-1 was installed.

Remove the 2 bottom cover screws from the SC-6 converter. Plug a 12" piece of shielded cable with a right angle connector into the SC-6 CAL.IN. Connect the converter IF coax into the SC-6 IF.OUT. connector. Engage the crystal switch into the fork and slip the converter into the power socket. Fasten the SC-6 to the chassis with the 2 cover screws previously removed. Connect the other end of the shielded cable to the 6 meter connector on the SCC-1.

Install the SC-2 converter in a similar manner. Connect the CAL. IN. cable to the 2 meter connector on the SCC-1.

An extra converter position is provided for on the CC-1 for future design consideration.

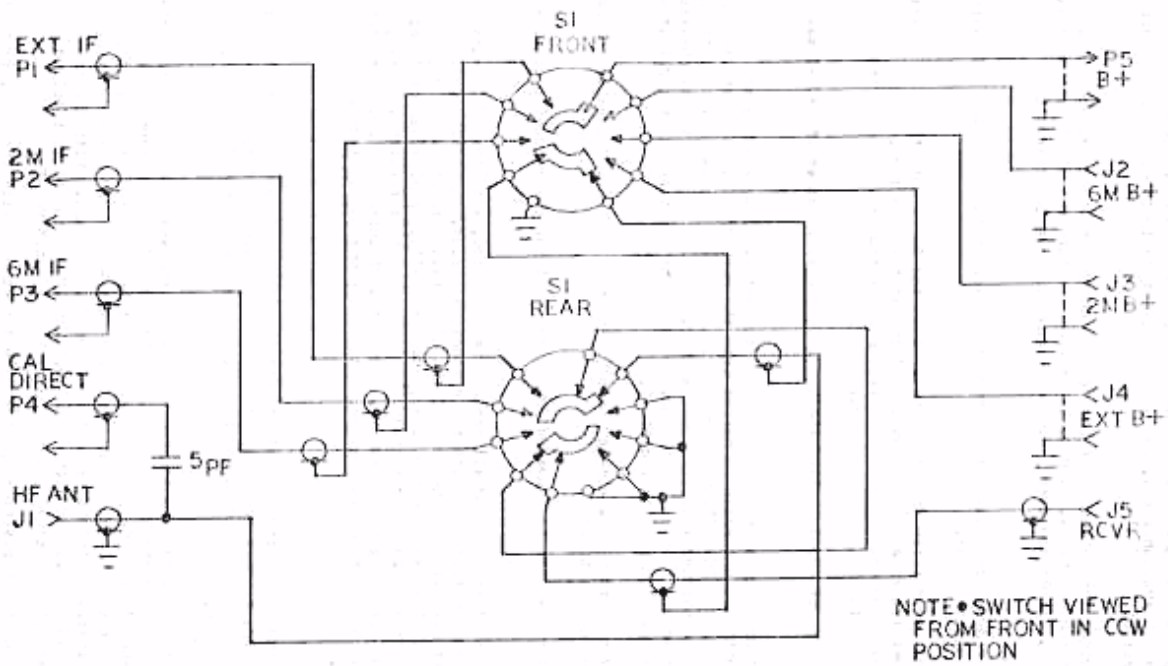
After the units are installed and all cables are connected, slip the CC-1 chassis back into the case and fasten it with the 6 mounting screws. Connect a coax cable from the receiver connector on the rear of the CC-1 chassis to the antenna jack of a receiver. NOTE: This cable must be coax, such as RG-58U. A shielded cable of audio type will act as a 20 meter antenna when connected to a receiver, causing interference when operating 6 or 2 meters. Connect a HF antenna to the connector marked HF.ANT. if HF operation is desired. Plug the power supply into a 120 V, 50-60 Hz output.

OPERATION

The selector switch on the front panel selects the "BAND" of operation desired. In the DIRECT position, signals from a HF antenna are fed directly thru the CC-1 to the receiver. Calibration is obtained by pulling the POWER knob ON and by pulling the CALIBRATE knob ON.

Six meter converter operation is obtained by turning the switch to 6M and connecting a 6 meter antenna to the 6M converter. NOTE: 6 and 2 meter antenna switching is not accomplished in the CC-1. The antennas must be connected directly to the converters. Pull the POWER knob ON and pull the CALIBRATE knob ON for calibrate. The SC-6 has 2 crystals which are selected by the 6 meter knob. With the knob in, coverage is from 50 to 50.5 MHz with 14 to 14.5 MHz IF. With the knob pulled coverage is raised .5 MHz to 50.5 - 51 MHz with 14 to 14.5 MHz IF.

With the switch in the 2M position, operation is the same as with the SC-6. By pulling the 2M knob, coverage is raised from 144 to 144.5 MHz to 145 - 145.5 MHz using the 14 - 14.5 MHz IF. Consult the SC-2 and SC-6 manuals for complete band coverage.



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