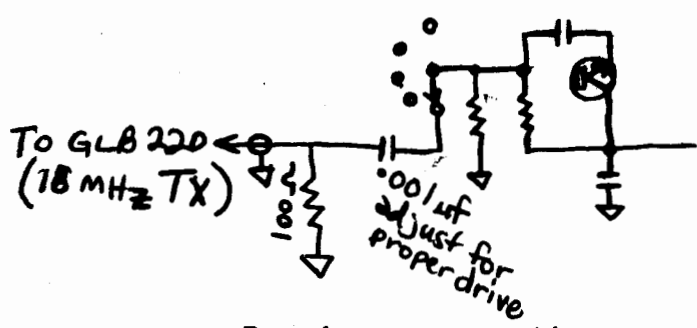


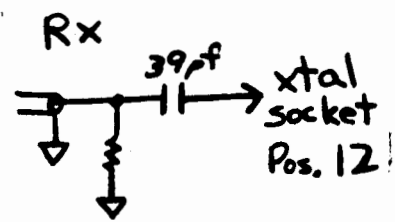
Adaptation of Midland 13-509 and Clegg FM 76 to Channelized operation.
10.7 IF

Channelizer programming: RX 23 MHz with multiplier to 54 MHz.
TX 24 MHz. Jumpers: A-G, A-B, remove Z12.

Transmitter connections-wire to switch position or plug into xtal socket.



Receiver connections



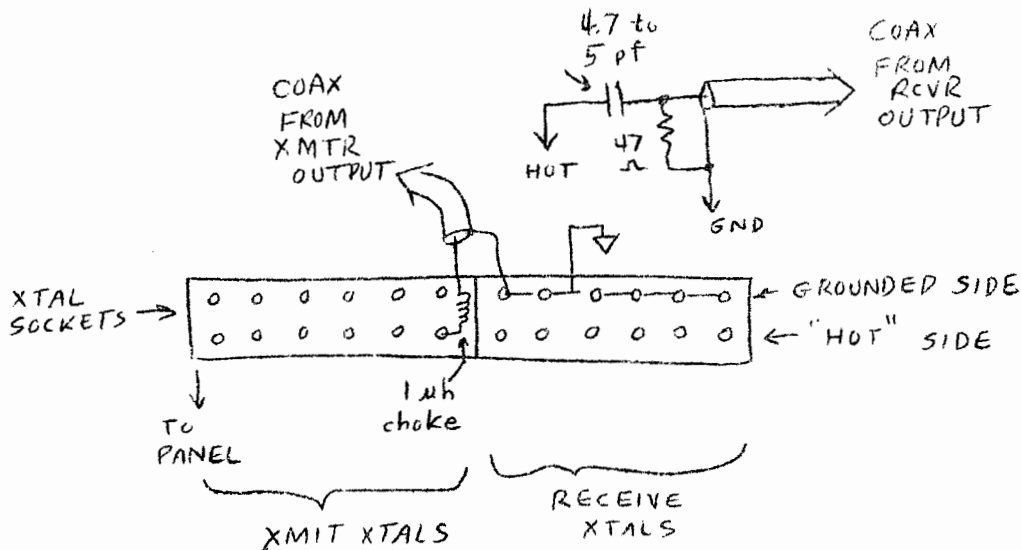
PTT: connect to pin 2 of mic jack.

Connect grounds to shield behind crystal sockets.

GLB ELECTRONICS

Adaptation of DRAKE TR-22 to Channelized operation.

1. Receiver IF = 10.7 mhz, low side injection. Offset crystal frequency = 23.21667 mhz.
2. Programming: Transmit X 12, Receive X 6. Jumpers: A-B, D-gnd, E-G, Z12-9 to E23.
3. Transmitter connections: Coax from transmit output is connected with shield to gnd and center conductor to the "hot" side of a crystal socket thru a 1 uh choke.
4. Receiver connections: Receive output coax is connected with shield to gnd and center conductor to "hot" side of crystal socket thru a 4.7 pf capacitor. A 47 ohm resistor is connected between center conductor and shield at the transceiver end.
5. Push-to-talk: Connect Channelizer PTT terminal directly to TR-22 PTT line.



Note that the rear pin of each receive crystal socket is grounded; thus providing a convenient ground for both coaxes if channel 6 is used for Channelized operation.

Adaptation of IC22, IC22A to Channelized operation.

Before connecting the Channelizer to the rig, measure transmit and receive injection with crystal operation. Match these readings when interfacing the Channelizer. This should insure that the rig will not be overdriven.

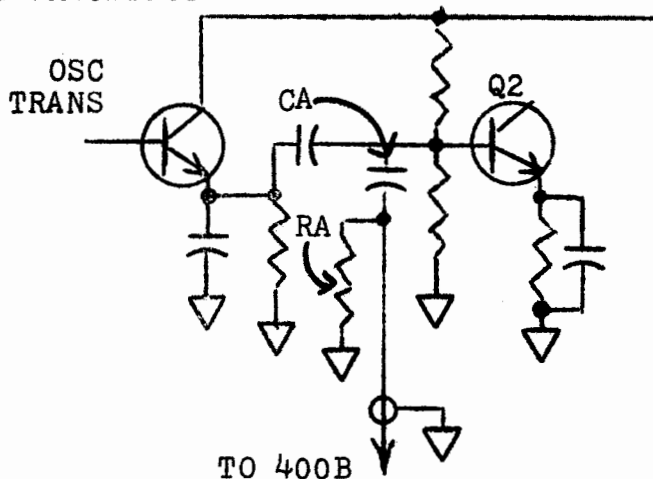
1. Receiver IF = 10.7 MHz, low side injection.
2. Channelizer programming: TX x24 with tripler to 18 MHz; RX x6. Jumpers: A-B, F-G, H-E23.

Suggested Interface:

Transmit and receive oscillator connections are the same.

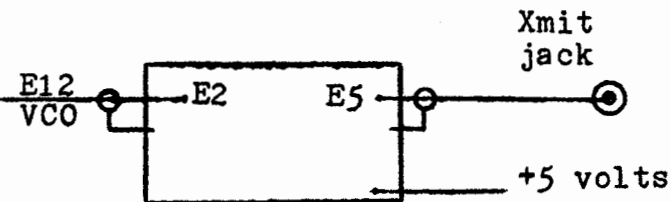
Suggest installation of RCA jacks at transceiver and running interface coax (RG 174/U) to point of connection.

PTT and +12 can be brought in via the accessory socket.



Tripler connections-400B:

CA-transmit = 100pf
 CA-receive = 33pf
 RA = 100 ohm
 These values may have to be adjusted for proper injection.



Due to the design of the IC22, IC22A second oscillator, there may be a birdie on receive around 147.2 and up. Suggest changing the second oscillator crystal from 11.155 MHz to 10.245 MHz. No retuning is necessary and crystal operation will not be affected. These crystals are available from GLB @ \$4.95.

This interface can also be used for the WE 224.

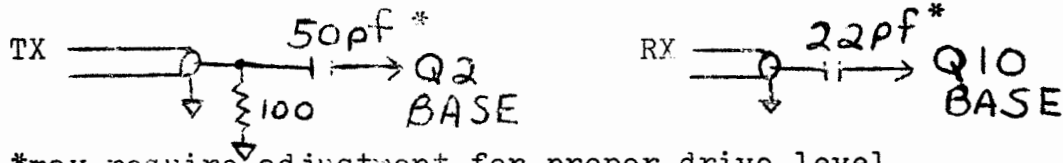
GLB ELECTRONICS

Adaptation of IC30A to Channelized operation.

Programming: TX 6 MHz with tripler to 18 MHz, RX 23 MHz.
IF = 10.69 MHz.

+12 and PTT are available at P2 pin 1 (red wire) and pin 6 (gray wire) of Reg U-65 module. DC ground connection should be made at lug on chassis between Reg U-65 and front of radio.

RF interface in IYL module



*may require adjustment for proper drive level

Interface to GLB 450 is made through accessory jack on IC30A.