WA6TWF SuperSystem Channel 6 - Santiago Peak Link to Remote Base System(Slick)

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HF Radio Kenwood TS-940 - 10 through 160 meters
VHF-UHF Radio - Kenwood TS-790
2 Meters, 440 MHz, 1200 MHz
Antenna - Smart Tuner 85 foot long wire

Access Remote Base   1 2 3 1 then B C 1
Leave Remote Base   7 3 then 1 2 3 0

When you bring up a HF frequency you need to turn on the transmitter and say something to allow the auto-tuner tune the long wire antenna . You will probably then hear back ground noise. You can then go ahead and tune around the band.

Important - when using CH-6 remote base you must key PTT for 3 seconds every minute to keep the Santiago repeater link transmitting to the remote base from timing out. If it does time out, enter the repeater up code (currently ~78) and continue.

You are transmitting through Santiago then via a separate link frequency to the remote base. When entering codes be sure to key the microphone long enough prior to entering codes. This will allow the link and PL decoder to activate to process the codes properly.

Please remember to turn off the link radio because this will not happen automatically with a timer.

Band Ranges

10 meters FM	29.000 -	29.69800 (up at 29.600)
10 meters USB	28.301 -	28.99999
12 meters USB	24.930 -	24.99000
15 meters USB	21.201 -	21.44900
17 meters USB	18.110 -	18.16800
20 meters USB	14.151 -	14.34900
40 meters LSB	7.151 -	7.29900
80 meters LSB	3.775 -	4.00000
160 meters LSB	1.800 -	2.00000
2 meters	144.100 -	148.00000
70 centimeters	440.000 -	450.00000
23 centimeters	1240.000 -	1300.00000

The controller will allow reception in the CW portion of each band for monitoring purposes only. However, you will not be able to transmit until you are 1 kHz inside each phone band. If you try to arm the remote transmitter in the cw portion, Slick will tell you that you are not allowed to transmit in that portion of the band.

Frequency Control

~00 or ~000   Inquire for frequency

NN~NN or NN~NNN or N~NN or N~NNN
Enter frequency (no trailing zeros) direct with ~ as the decimal.

Example: 14~28 for 14.280
Example: 28~333 for 28.333

1, 11, 111, 22   Scan DOWN slow to very fast
4, 44, 444, 55   Scan UP slow to very fast
77   Scan FM channels (29.610 - 29.690)

Press PTT to stop scanning. Note - If you were in "Transmit On" mode when scanning, you need to turn transmit back on after scanning as scanning turns transmit off.

Transmitter Control

~   Transmit ON
#   Transmit OFF
B   Intercom ON (mutes audio from remote)
B   Intercom OFF

Accessing Other Repeaters

Don't Use This Remote to Access Any Other Super System Repeater

Enter 33 for down shift (repeater offset)
Enter 66 for up shift (repeater offset)

You can select any PL tone after you have selected the receive frequency and offset for example if you want a tone of 100.0 Hz you would enter 100~0.

The computer will repeat back the tone in voice so don't put the remote on other closed systems because you will be giving out the tone frequency for every one to hear

Example of steps to bring up the remote on 147.975 - minus offset - with a tone of 114.8.

1 2 3 1 then BC1 then 147~975 then 33 then 114~8 then ~   (unkey after each set)

Additional Code

Retrieve last remote radio status

Time Out

The remote controller will time out after six (6) minutes. A timeout warning will announce ten (10) seconds prior to timeout. Hit PTT to reset.

Helpful Hints

1. If you hear a high pitched voice on the low bands, scan UP to normalize. If you hear a low pitched voice, scan DOWN to normalize (for 10, 12, 15, 17, 20 USB only). Scans are reversed for LSB (40, 80, 160 meters).

2. When using low band or big signal, PAUSE after keying before speaking or entering codes to allow PL decoder to activate so that ALL of your transmission is heard on the final output.

3. Press codes quickly. Also, unkey and allow carrier to drop between separate codes.

4. **Always ID. When INVITED into a QSO outside your privileges, ID as your call / your Control Operator's call.**

5. ALWAYS check if a frequency is in use BEFORE calling CQ; you may not be able to hear the half of the QSO that is transmitting at the time. If you can hear another station operating, you are interfering if you transmit. Only operate on clear frequencies.

Channel 16 - Palos Verdes

HF Radio
Yaesu TF-980 - 10, 15, 20 meters
Antennas
R-5 Vertical
Restrictions
None
Access Low Bands
#456   then   BC1
Leave Low Bands
BC2   then   ##456

Band Ranges

~10#   10 meters USB 28.301 - 28.99999

~101# 10 meters FM 29.000 - 29.69800
       (up at 29.600)

~15#   15 meters USB 21.201 - 21.44900

~20#   20 meters USB 14.151 - 14.34900

Low Band Codes

Band Up

~XX#   XX= Band
Example: ~20# brings up 20 meters
~101#   10 meter FM
#1 thru #9   After 10 meter FM is invoked, used to
                select FM channel. If #2 is hit, receive
                frequency is 29.620 and transmit
                frequency is 29.520.

Frequency Control

~00 or ~000   Inquire for frequency

~NN or ~NNN Enter frequency (no trailing
             zeros). Enter only the numbers
             after the decimal
Example: ~28 for 14.280
Example: ~333 for 28.333

1, 11, 111, 22   Scan DOWN slow to very fast

4, 44, 444, 55   Scan UP slow to very fast

77   Scan FM channels (29.610 -
                  29.690)
Press PTT to stop scanning.

Transmitter Control

~   Transmit ON
#   Transmit OFF
B   Intercom ON
                (mutes audio from HF)
C   Intercom OFF

Time Out

The low bands will time out after three minutes. Three BEEPS will sound. Hit PTT to reset. Sometimes turns transmit off.

Helpful Hints

1. If you hear a high pitched voice on the low bands, scan UP to normalize. If you hear a low pitched voice, scan DOWN to normalize (for 10, 15, 20 USB only). Scans are reversed for LSB (40 and 80 meters).

2. When using lowband or big signal, PAUSE after keying before speaking or codes to allow PL decoder to activate so that ALL of your transmission is heard on the final output.

3. Press codes quickly. Also, unkey and allow carrier to drop between separate codes (especially channel 16).

4. **Always ID. When INVITED into a QSO outside your privileges, ID as <u>your call / your Control Operator's call.</u>**

5. ALWAYS check if a frequency is in use BEFORE calling CQ; you may not be able to hear the half of the QSO that is transmitting at the time. If you can hear another station operating, you are interfering if you transmit. Only operate on clear frequencies.

Channel 15 - Whittier Hills

The remote base on channel 15 operates only on certain 2 meter simplex frequencies. When the remote base is brought up, it will cross-band to the last frequency used. To change the frequency, enter the codes listed below. Unkey after each code (wherever there is a comma).

ACCESS REMOTE BASE: ~ 7 7

Frequency	Codes		
144.330	D774,	D775,	D776
146.420	D771,	D772,	D776
146.520	D771,	D775,	D776
146.550	D774,	D772,	D776
146.565	D774,	D775,	D773
147.540	D771,	D775,	D773

LEAVE REMOTE BASE: # 7

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