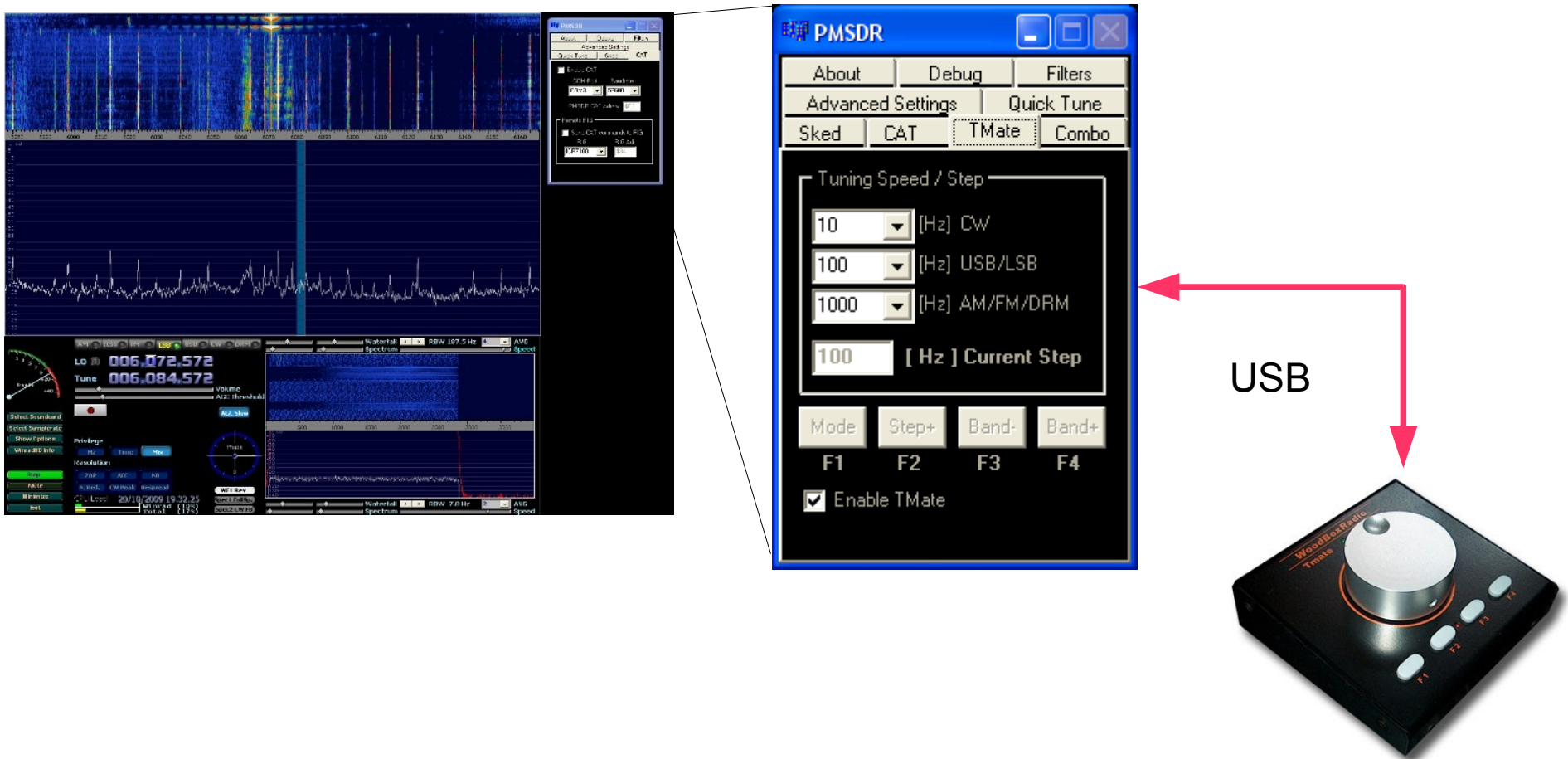


WinRad & PMSDR & Tmate



The Tmate tuning knob is directly supported through the ELAD_Encoder.dll

DRM listening with Dream & PMSDR

Stations

Station Name	Time [UTC]	Frequency [kHz]	Target	Power [kW]	Country	Site	Language	Days
RAI tests	0000-2400	693	Italy	30	Italy	Milano	Italian	daily
VoR (Simulcast)	0400-2200	693	Berlin	250	Germany	Oranienburg	various	daily
DLF	0000-2400	729	NE Germany	1	Germany	Putbus	German	daily
DLF	0000-2400	855	Berlin	10	Germany	Berlin-Britz	German	daily

dream

Level [dB]: 0, -10, -20, -30, -40, -50

16.92 kbps EEP AAC+ Mono

BBC & DW

English

ID:E1C248

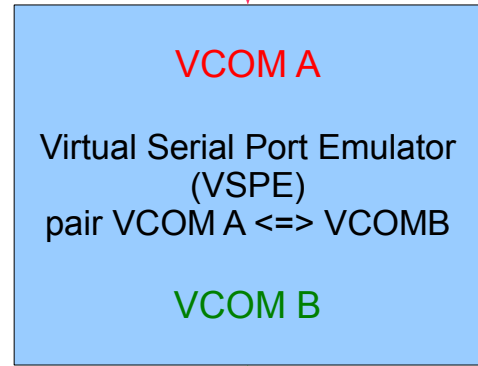
Current Affairs

1 BBC & DW | AAC+ Mono (16.92 kbps) + EPG (0.54 kbps) + AFS

2 BBC & DW News | Data: Journaline (0.54 kbps)

3

4



PMSDR Control ...

7.00000 MHz

0 0 0 0 0 0 0

1 1 1 1 1 1 1

2 2 2 2 2 2 2

3 3 3 3 3 3 3

4 4 4 4 4 4 4

5 5 5 5 5 5 5

6 6 6 6 6 6 6

7 7 7 7 7 7 7

8 8 8 8 8 8 8

9 9 9 9 9 9 9

PMSDR

About Debug Filters

Advanced Settings

Quick Tune Sked CAT

Enable CAT

COM-Port Baudrate

COM3 57600

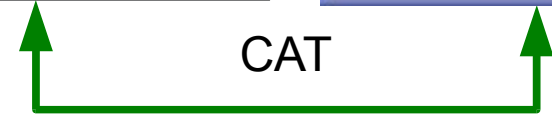
PMSDR CAT Adress \$E2

Remote RIG

Send CAT commands to RIG

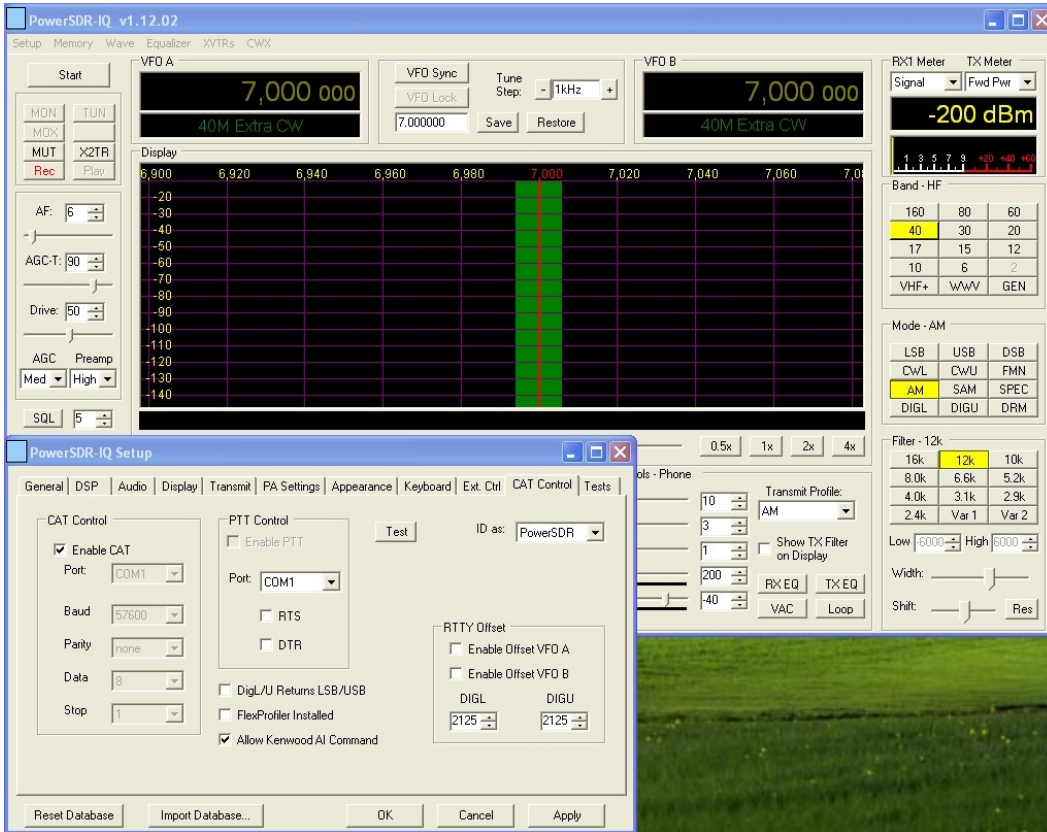
RIG RIG Adr.

Kenwood \$00

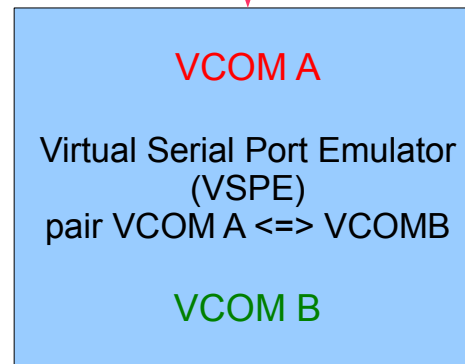
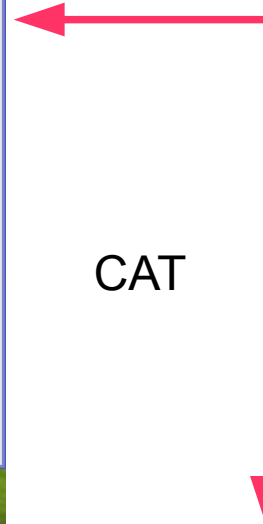


Execute Dream in I/Q-Mode with "dream -c 5"

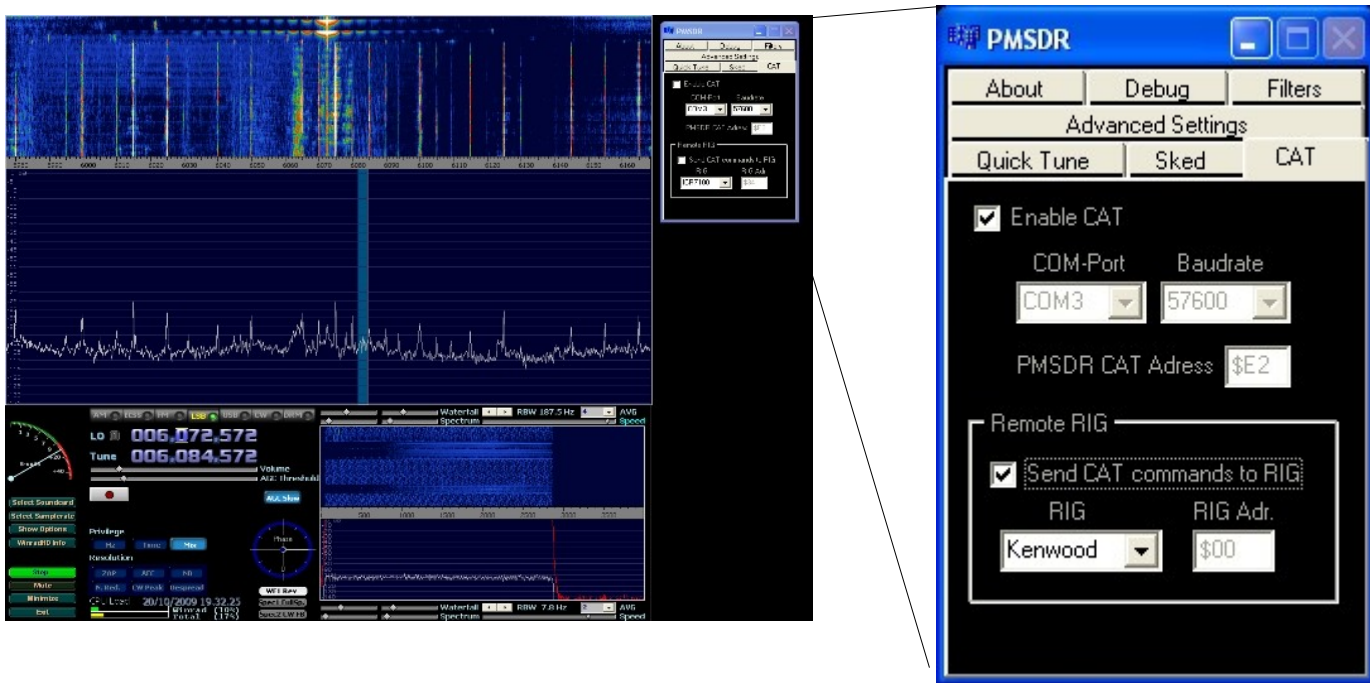
Use PowerSDR with PMSDR



- Set CAT Control Port = **VCOM A**
- Set Flag "Allow Kenwood AI Command"



WinRad & PMSDR & Transceiver

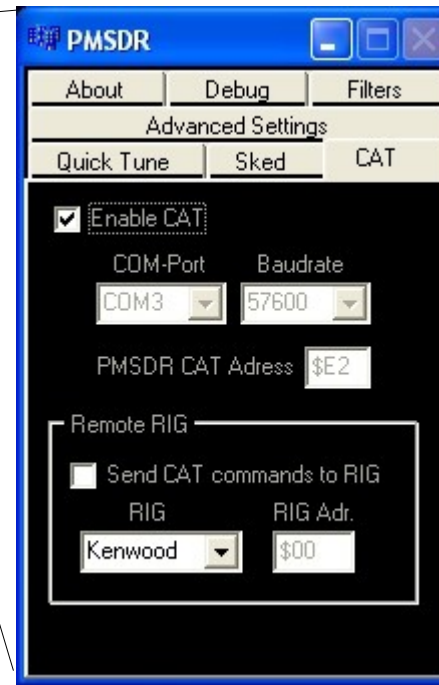
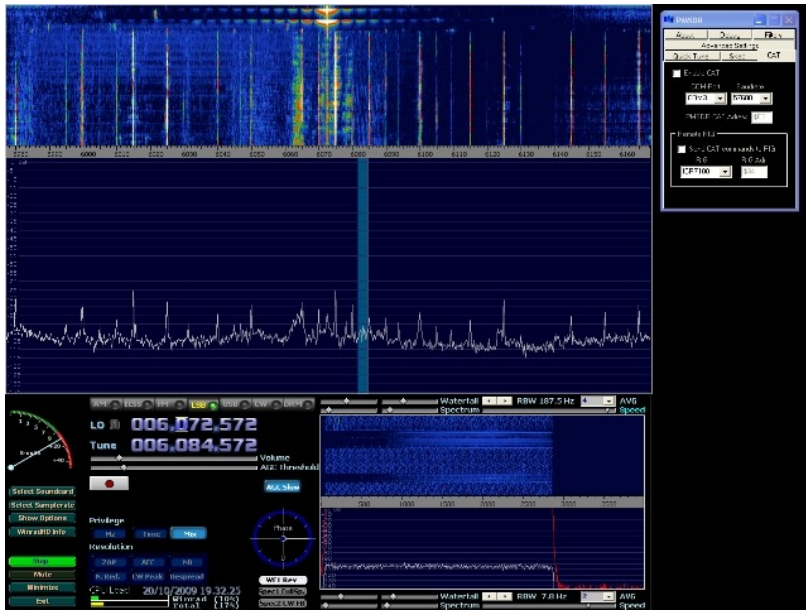


WinRad is used to tuning the Transceiver through the CAT

CAT (Kenwood-Elecraft) / CI_V (Icom)



WinRad & PMSDR & Transceiver

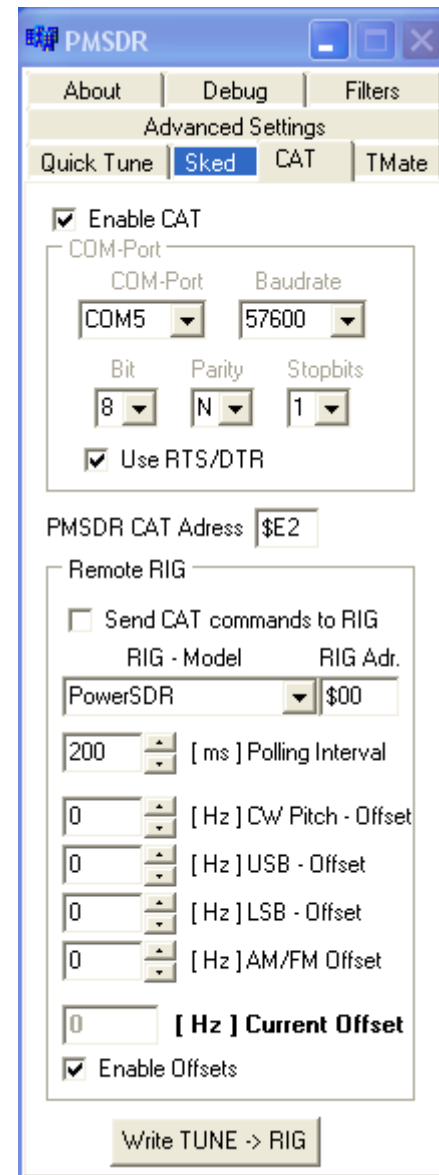
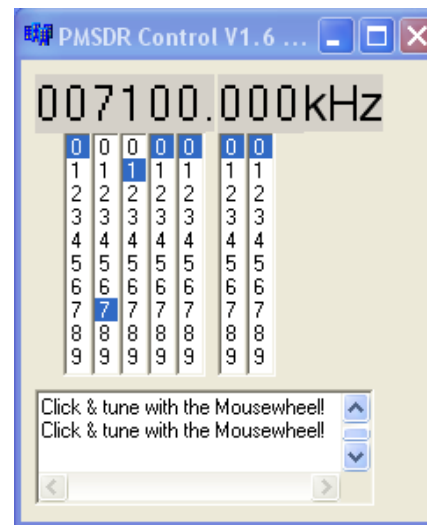
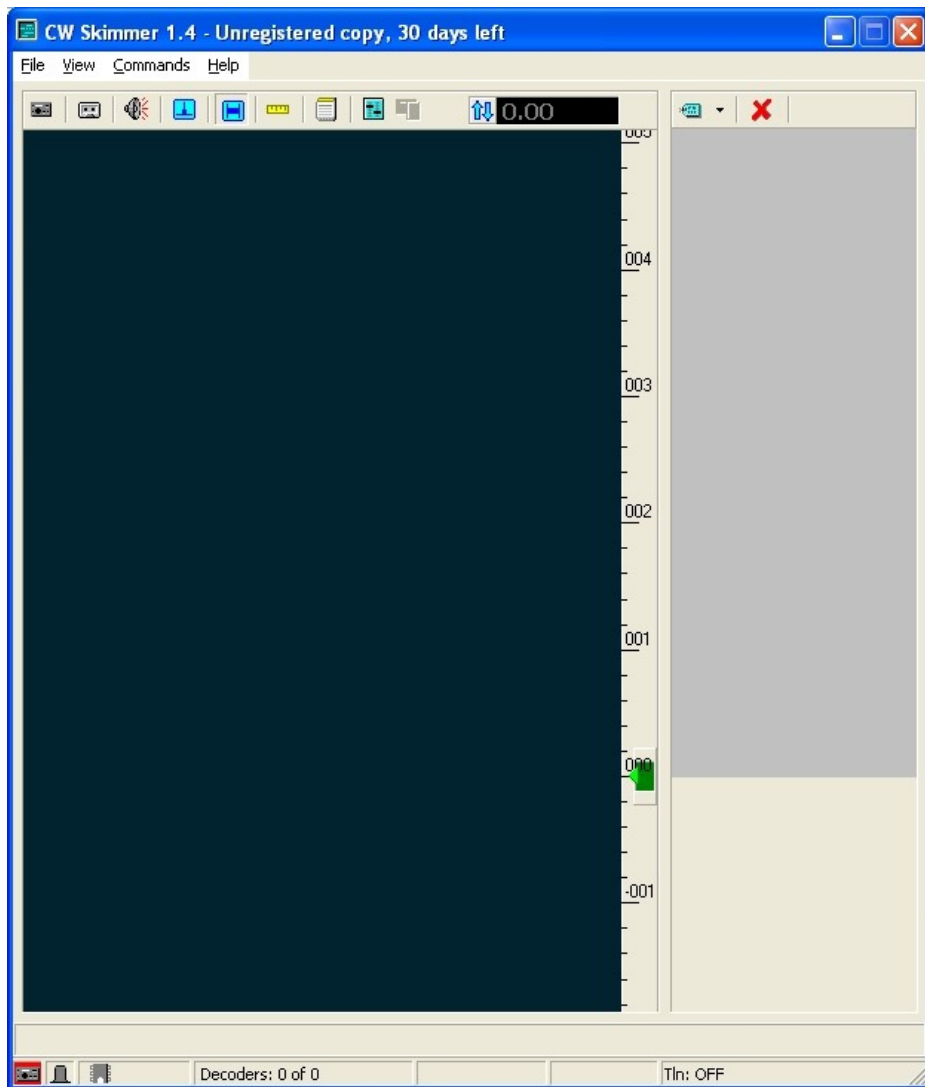


The Transceiver is used to tuning Winrad through the CAT

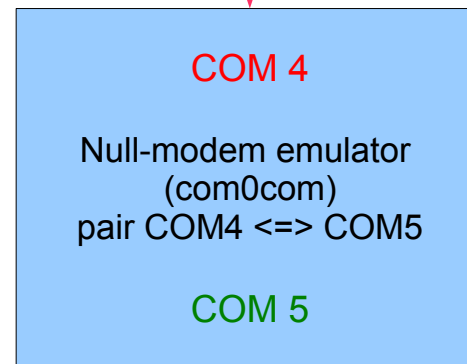
CAT (Kenwood-Elecraft) / CI_V (Icom)



Use CWSkimmer with PMSDR



CAT



CAT

1- Setup CWSkimmer with PMSDR

The screenshot displays the CW Skimmer 1.71 software interface with the Settings dialog box open. The main window shows a frequency of 7100.00 kHz. The Settings dialog is configured for a SoftRock-IF radio with a 96 kHz sampling rate. The PMSDR Control V1.6 window shows a frequency of 007100.000kHz and a numeric keypad. The PMSDR window shows advanced settings for CAT control, including COM5 at 57600 baudrate and a CAT address of \$E2.

CW Skimmer 1.71 - Unregistered copy, 30 days left

File View Commands Help

7100.00

104

Settings

Radio Audio CAT Misc. Operator Telnet Calls

Hardware Type

- 3-kHz Radio
- SoftRock
- SoftRock-IF
- SDR-IQ
- QS1R
- Mercury
- Perseus

LO Frequency, Hz

7100000

CW Pitch, Hz

600

Audio IF, Hz

0

Sampling Rate

- 48 kHz
- 96 kHz
- 192 kHz

OK Cancel

Decoders: 0 of 0

PMSDR Control V1.6 ...

007100.000kHz

0	0	0	0	0	0	0
1	1	1	1	1	1	1
2	2	2	2	2	2	2
3	3	3	3	3	3	3
4	4	4	4	4	4	4
5	5	5	5	5	5	5
6	6	6	6	6	6	6
7	7	7	7	7	7	7
8	8	8	8	8	8	8
9	9	9	9	9	9	9

Click & tune with the Mousewheel!
Click & tune with the Mousewheel!

PMSDR

About Debug Filters

Advanced Settings

Quick Tune Sked CAT TMat

Enable CAT

COM-Port

COM-Port Baudrate

COM5 57600

Bit Parity Stopbits

8 N 1

Use RTS/DTR

PMSDR CAT Address \$E2

Remote RIG

Send CAT commands to RIG

RIG - Model RIG Adr.

PowerSDR \$00

200 [ms] Polling Interval

0 [Hz] CW Pitch - Offset

0 [Hz] USB - Offset

0 [Hz] LSB - Offset

0 [Hz] AM/FM Offset

0 [Hz] Current Offset

Enable Offsets

Write TUNE -> RIG

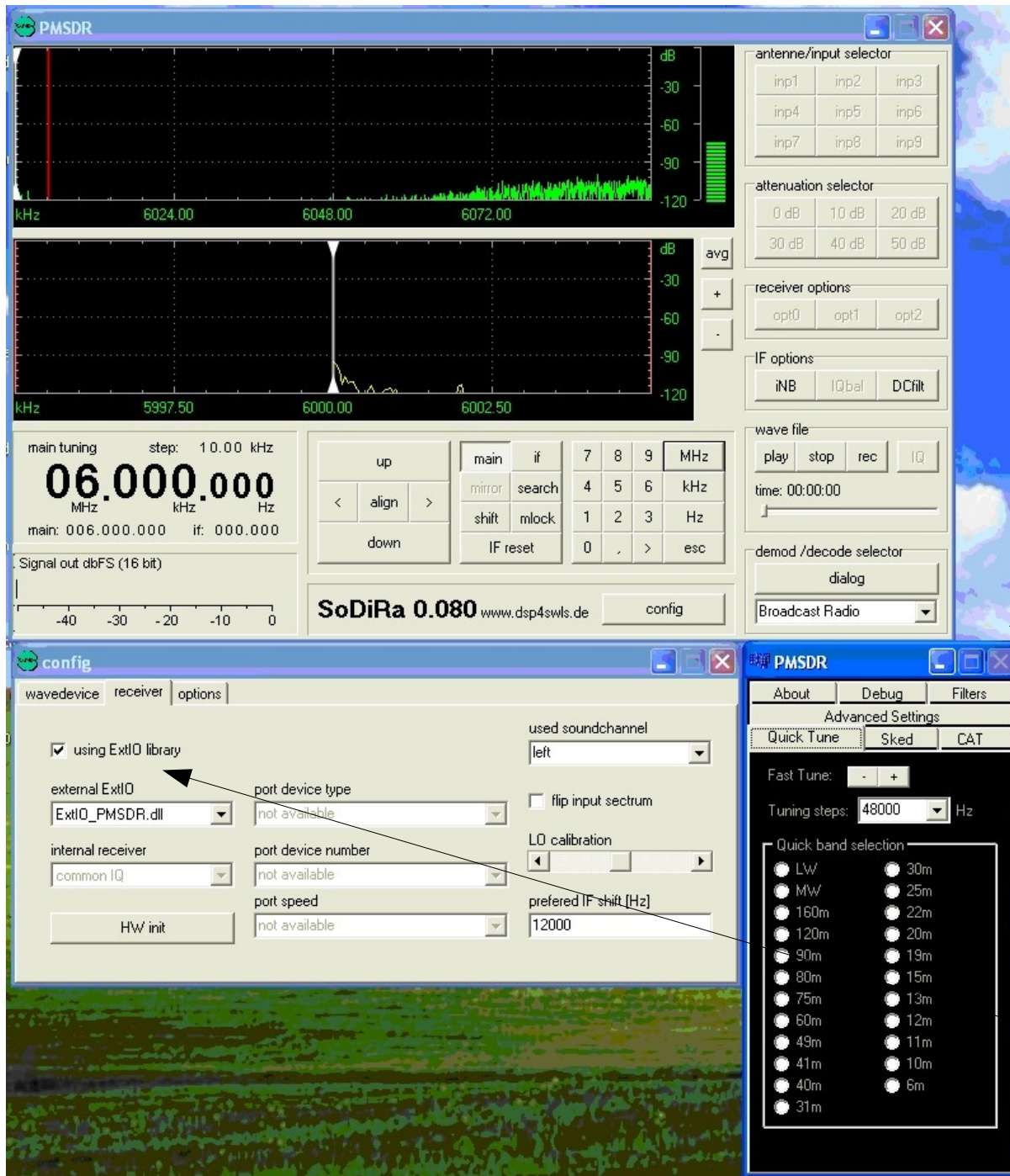
2- Setup CWSkimmer with PMSDR

- Use CW SKIMMER or PMSDR_CONTROL to tune

The image shows a desktop environment with several software windows open for configuring CW Skimmer and PMSDR. The main window is 'CW Skimmer 1.71 - Unregistered copy, 30 days left', displaying a frequency of 7100.00 kHz. To its right is 'PMSDR Control V1.6 ...' showing a frequency of 007100.000kHz and a numeric keypad. Below these are several configuration windows:

- Omni-Rig Settings:** Shows 'RIG 1' selected with 'RIG 2' and 'About' tabs. Settings include: Rig type: PowerSDR, Port: COM 4, Baud rate: 57600, Data bits: 8, Parity: None, Stop bits: 1, RTS: Low, DTR: High, Poll int., ms: 400, Timeout, ms: 1000.
- Settings:** Shows the 'CAT' tab with 'CAT Interface' options: 'Use Radio 1 PowerSDR' (selected) and 'Use Radio 2 NONE'. A 'Configure...' button is present.
- Setup for com0com:** Shows 'Virtual Port Pair 0' with 'COM4' and 'COM5' selected. It includes checkboxes for 'emulate baud rate', 'enable buffer overrun', 'enable plug-in mode', 'enable exclusive mode', and 'enable hidden mode' for both COM4 and COM5. A diagram shows signal connections between COM4 and COM5 for RX, TX, DTR, DSR, DCD, RTS, CTS, RI, OUT1, OUT2, and OPEN.
- PMSDR Advanced Settings:** Shows 'Quick Tune' selected with 'Sked', 'CAT', and 'TMate' options. Settings include: 'Enable CAT' checked, 'COM-Port' set to 'COM5', 'Baudrate' set to '57600', 'Bit' set to '8', 'Parity' set to 'N', 'Stopbits' set to '1', 'Use RTS/DTR' checked, 'PMSDR CAT Address' set to '\$E2', 'Remote RIG' section with 'Send CAT commands to RIG' unchecked, 'RIG - Model' set to 'PowerSDR', 'RIG Adr.' set to '\$00', 'Polling Interval' set to '200', 'CW Pitch - Offset' set to '0', 'USB - Offset' set to '0', 'LSB - Offset' set to '0', 'AM/FM Offset' set to '0', 'Current Offset' set to '0', and 'Enable Offsets' checked. A 'Write TUNE -> RIG' button is at the bottom.

1- Setup SoDira with PMSDR



1. Copy the Extio_PMSDR.dll (V3.2r7 or higher) and C3260.dll into the SoDiRa program folder.
2. Connect your PMSDR to the USB port.

- Launch the "config" dialog box and select "using ExtIO library" and the external ExtIO DLL

2- Setup SoDira “wavedevice” with PMSDR

The image displays two windows from the PMSDR software. The top window is the main interface, showing two frequency plots. The top plot is a wideband spectrum from 6024.00 to 6072.00 kHz. The bottom plot is a narrowband view centered at 6000.00 kHz. The main tuning display shows a frequency of 06.000.000 MHz. The bottom window is the 'config' window, which is divided into 'input', 'output', and 'options' tabs. The 'input' tab is active, showing the 'device' set to 'E-MU 0202 | USB' and the 'samplerate' set to '192 kHz'. The 'output' tab is also visible, showing the 'device' set to 'E-MU 0202 | USB'. The 'options' tab is partially visible, showing 'Advanced Settings' and 'Quick Tune' options. A text box on the right side of the image contains the instruction: '- Select the soundcard where your PMSDR is connected'. An arrow points from this text box to the 'device' dropdown menu in the 'input' tab of the 'config' window.

- Select the soundcard where your PMSDR is connected