

Guía Visual de Iniciación Rápida

The screenshot displays the Ham Radio Deluxe v3.0 Beta software interface. The main window shows a frequency display of 14.070.150 and a call sign JN94KV. The interface includes various control panels for frequency, mode, and power, as well as a list of active stations. A logo for URCH (Union Radio Club Henares) is overlaid on the interface. The text at the bottom of the screenshot reads: SIMON BROWN - HB9DRV and PETER HALPIN - PH1P.

Juan Góngora

EA4EWH





• **Simon Brown**
HB9DRV, GD4ELI

HB9DRV



JN46pt

フリーソフトを
使いこなそう
[CD-ROM付]



トランシーバ&レシーバをPCで制御

無線機コントロール・ソフト Ham Radio Deluxe

大庭 信之 ● 著



CQ出版社

VENTAJAS DE HRD

- ¡Instalarlo es fácil, simplemente descárgalo, lo instalas y lo arrancas!
- Las especificaciones mínimas requeridas (en cuanto a ordenador se refiere) son:
 - HRD: 500MHz CPU, 512MB RAM y 20MB de espacio en el disco.
 - DM780: 1GHz CPU, 1024MB RAM y 50MB de espacio (o mas si se trabaja en SSTV). DM780 usa mas recursos cuando HRD descodifica varias señales simultáneamente.
- HRD es gratuito para radioaficionados, escuchas (SWLs) y organizaciones sin lucro. El uso comercial por empresas o instituciones gubernamentales requiere una licencia por parte de Simon Brown, HB9DRV.

GNU & GPL LA BASE PARA FUNCIONAR

GPL / Open Source Code

Digital Master 780 decoding DLLs use open source code under the terms of the GNU General Public License. Sources from which code is used include:

Program	Author	Callsign
PSKCore	Moe Wheatley	AE4JY
Fldigi	Dave Freese	W1HKJ
gMFSK	Tomi Manninen	OH2BNS
Olivia, MT63	Pavel Jalocha	SP9VRC

The complete source for these DLLs is shipped in the kits, look at the Source folder in the installation tree, typically this is

```
C:\Program Files\Amateur Radio\Ham Radio Deluxe\Source
```

You will see `DM780SourceCode.zip` which is a master archive contain more archives.

- Decoder which uses code from fldigi, Olivia, PSKCore and other sources.
- Filter design algorithms such as Parks-McClellan (Remez).

If you find that some files are missing just let me know - the aim is not to stop other developers recompiling this code! Also if I have used some open source code and have forgotten to publish this just let me know.

Sample (January 8th, 2008)

Version 4.0 (May 6th, 2008)

Radios soportadas por Ham Radio Deluxe

Elecraft

K2, K3

FlexRadio

SDR-1000, SDR-5000

ICOM

IC-7000, IC-703, IC-706, IC-706MkII, IC-706MkIIG, IC-707, IC-718, IC-725, IC-726, IC-728, IC-729, IC-735, IC-736, IC-737, IC-738, IC-7400, IC-746, IC-746Pro, IC-751A, IC-751A (Piexx), IC-756, IC-756Pro, IC-756ProII, IC-756ProIII, IC-761, IC-765, IC-7700, IC-775DSP, IC-7800, IC-781, IC-821H, IC-910H, IC-R10, IC-R20, IC-R7000, IC-R75, IC-R8500, IC-R9000, PCR-1000

Kenwood

R-5000, TS-140S, TS-2000, TS-440S, TS-450S, TS-480, TS-50S, TS-570, TS-60S, TS-680S, TS-690S, TS-790, TS-850, TS-870, TS-940S, TS-950, TS-B2000

Ten-Tec

Argonaut, Jupiter, OMNI VII (Radio), OMNI VII (Remote), Orion, RX-350

Yaesu

FT-100, FT-1000D, FT-1000MP MkV, FT-600, FT-817, FT-840, FT-847, FT-857, FT-890, FT-897, FT-900, FT-920, FT-990, FT-2000, FT-450, FT-950, FTDX-9000

HOTKEYS

F11 - Toggle Full Screen
CTRL-O - Open Logbook
CTRL-P - Print

- **Ham Radio Deluxe**

Tips and Tricks

This page was last updated Thursday, September 30, 2004

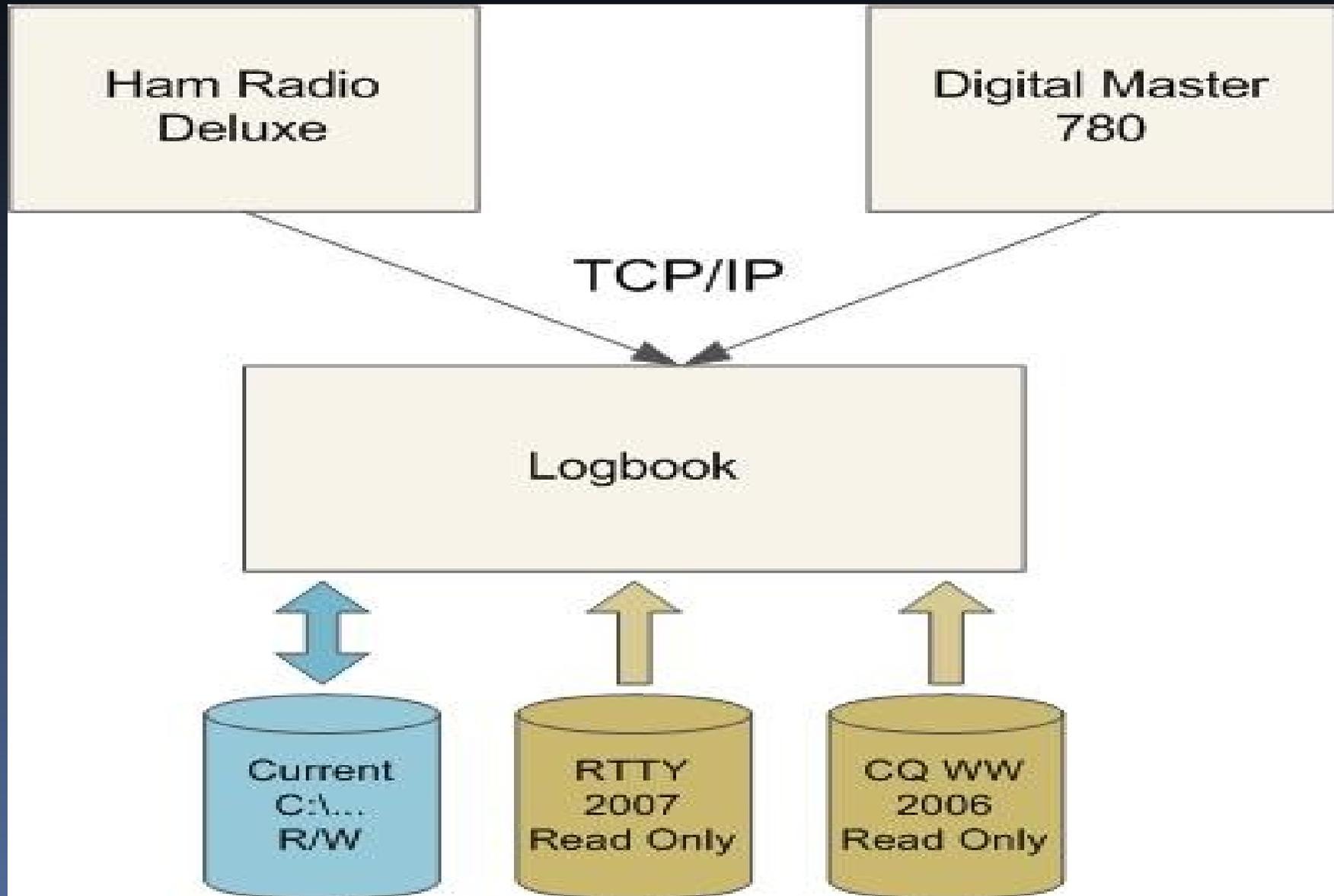
A collection of Tips and Tricks and other bits and pieces collected along the way.

Reset to Defaults - If you really make a mess of changing and setting up things and wish you could start from scratch, **hold the Shift key down** while you **start the program**. All settings will then be returned to what Simon wants.

Audio - An easy way of ensuring that you have audio properly enabled for alarms, etc., is to open the Ham Radio Deluxe program and then your sound card controls, make a selection and then **click on the HRD Voice menu and select one of the immediate voice announcements such as Frequency**.

Noise - If you are experiencing radio noise created by the computer, here is a tip from the forum pages. Just wind the control cable through a **FERRITE** ring several times. Do NOT use a powdered iron core.

DIAGRAMA DE HRD



HAM RADIO DELUXE

HamRadioDeluxe - [FT-847]

File Edit View Bands Favourites Quick Save Macros Logbook Scanning Tuning Tools Voice Window Help

Connect Selection Favourite Quick Save Full Screen DX Cluster Logbook Satellites SW Data Sliders Customise Options Forums Undo Redo Add Backup

Mapper DM780 PSK31 Synch Remote Serial Programs Browser #1 Browser #2 Lookup WinKey Bandscope Audio Grabber Audio Browser Main Tabs

Selection (7) QRZ.COM Callsign HZ

FT-847

PWR

CTCSS/DCS Match

Squelch

FM

14.055.500

CTCSS Mode: FM

SAT Sat Rx: LSB

TX Sat Tx: LSB

Tone

Repeater

Bandscope

HRD: Top 50 DX spots on ALL

ALL	DX	Freq	UTC	Spotter	Comment
HF	S21RC	28495.0	06 Feb 05:20	S21RC	Bangladesh: 10m cq
VHF	UX1UA	1826.6	06 Feb 05:19	K4EDI	Ukraine:
1.8 MHz	FS/WW5L	3790.2	06 Feb 05:19	RA1AG	Saint Martin: sim 59,tnx
3.5 MHz	EL2DX	1819.0	06 Feb 05:19	K9OT	Liberia: CQ
7 MHz	UX1UA	1826.6	06 Feb 05:17	UT5EO	Ukraine: cq,cq
10 MHz	SP3BQ	1825.5	06 Feb 05:16	EA4SV	Poland: with np4a, both big signs
14 MHz	ZC4VJ	7007.0	06 Feb 05:14	EB5RR	UK Sov. Base Areas on Cyprus: 599 en Murcia
18 MHz	FW5RE	21010.0	06 Feb 05:15	JA1BNL	Wallis & Futuna Is.: request ok tks
21 MHz	LA5FHA	1824.0	06 Feb 05:21	OE6BMG	Norway: calling CQDX
24 MHz	UT7UJ	1835.0	06 Feb 05:14	K9PPY	Ukraine: GM TNX QSO
28 MHz					

HamRadioDeluxe - [FT...

6:21

CONFIGURACION DEL TRANSCEPTOR

HamRadioDeluxe

File Edit View Bands Favourites Quick Save Macros Logbook Scanning Tuning Tools Voice Window Help

Connect Selection Favourite Quick Save Full Screen DX Cluster Logbook Satellites SW Data Sliders Customise Options Forums Undo Redo Add Backup

Mapper DM780 PSK31 Synch Remote Serial Programs Browser #1 Browser #2 Lookup WinKey Bandscope Audio Grabber Audio Browser Main Tabs

(7) QRZ.COM Callsign HZHHH

Connect: EA4EWH in Spain

Company: Yaesu
Radio: FT-100
COM Port: COM1
Speed: 4800
CI-V Add: 70

Flow control / Interface power
 CTS DTR RTS

Connect Help

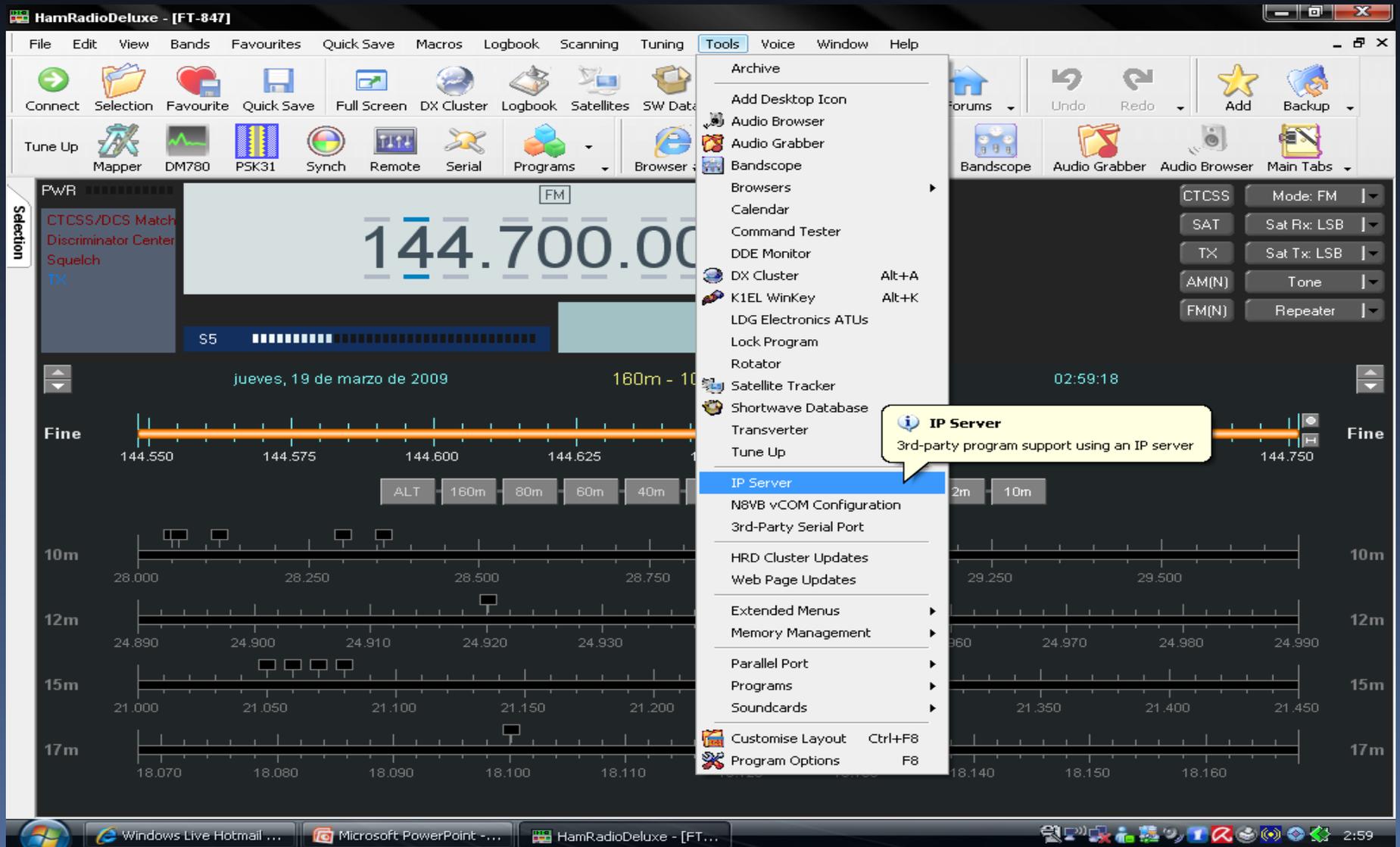
Visit <http://hrd.ham-radio.ch/downloads.html> for 'A basic guide to CAT and Audio interfacing' which contains many designs for both CAT and audio interfaces for use with Ham Radio Deluxe.

If you have problems connecting to your radio goto the *Problem Solving* section at the end of this help text for assistance.

Company
Select your radio manufacturer from the drop-down list. The Demu-Matic radios

HamRadioDeluxe 6:32

Activar en Tools IP server



HRD REMOTE SERVER

The status of the HRD Remote Server on this computer.

HRD Remote Server (Radio Support) **HRD Serial Port Server (Keyer & Rotator Support)**

Service name: HRD RemoteSvr
Display name: Ham Radio Deluxe Remote Server
Configuration: C:\Archivos de programa\Amateur Radio\Ham Radio Deluxe\HRDRemoteSvr.cfg
Logfile:
Last started:
Status: El servicio especificado no existe como servicio instalado.

Install Remove Start Stop

Configure View Log Help

1.0 Introduction

The HRD Remote Server enables a connection between Ham Radio Deluxe and a radio connected to a remote computer which can be contacted via TCP/IP.

1.1 Requirements

The remote computer must be running Windows NT - that is NT 4.0, 2000, 2003 or XP. Windows 95, 98 and various flavours thereof *are not supported*.

1.2 Technology

A Windows service is installed on the remote computer which has a direct connection to the radio. The service listens on a port (usually 7805) for incoming connections from Ham Radio Deluxe. **Firewall:** If you are using a firewall (for example the Windows Firewall shipped with XP SP2) you must allow access to the remote server port (7805).

2.0 Installing

The background interface shows the HamRadioDeluxe window with a menu bar (File, Edit, View, Bands, Favourites, Quick Save, Macro, Lockbook, Settings, Tuning, Tools, Units, Windows, Help), a toolbar with icons for Connect, Selection, Favourite, Quick Save, Full Screen, Tune Up, Mapper, DM780, PSK31, Synch, and Remote (highlighted with a purple pushpin), and a main display area with various controls and frequency scales (PWR, Selection, Fine, 10m, 12m, 15m, 17m).

CONFIGURA TU ATU

The screenshot shows the HamRadioDeluxe software interface for an FT-847 radio. The Tools menu is open, and 'LDG Electronics ATUs' is selected. A callout box points to this menu item with the text 'LDG Support for LDG Electronics ATUs'. The interface includes a main display showing the frequency 144.34 MHz, a Bandscope window, and an HRD (Ham Radio Database) window showing a list of DX spots.

Tools Menu:

- Archive
- Add Desktop Icon
- Audio Browser
- Audio Grabber
- Bandscope
- Browsers
- Calendar
- Command Tester
- DDE Monitor
- DX Cluster
- K1EL WinKey
- LDG Electronics ATUs**
- Lock Program
- Rotator
- Satellite Tracker
- Shortwave Database
- Transverter
- Tune Up
- IP Server
- N8VB vCOM Configuration
- 3rd-Party Serial Port
- HRD Cluster Updates
- Web Page Updates
- Extended Menus
- Memory Management
- Parallel Port
- Programs
- Soundcards
- Customise Layout (Ctrl+F8)
- Program Options (F8)

HRD: Top 50 DX spots on ALL

ALL	DX	Freq	UTC	Spotter	Bearing
HF	W8MJ	14323.5	08 Mar 21:55	OH2XX	305.6° 7'
VHF	ZL7T	18071.0	08 Mar 21:54	K7GSE	235.0° 19'
1.8 MHz	CU2X	3796.0	08 Mar 21:55	VE1TK	268.6° 1'
3.5 MHz	JA3YBK	14245.2	08 Mar 21:55	K9JM	29.6° 10'
7 MHz	JH1ACA	14307.4	08 Mar 21:53	W7CT	29.6° 10'
10 MHz	TI8II	28435.6	08 Mar 21:54	W4AKO	271.6° 8'
14 MHz	WP4EDD	14253.1	08 Mar 21:54	W3LJ	267.0° 6'
18 MHz					

CONFIGURAR LDG ATU COM X

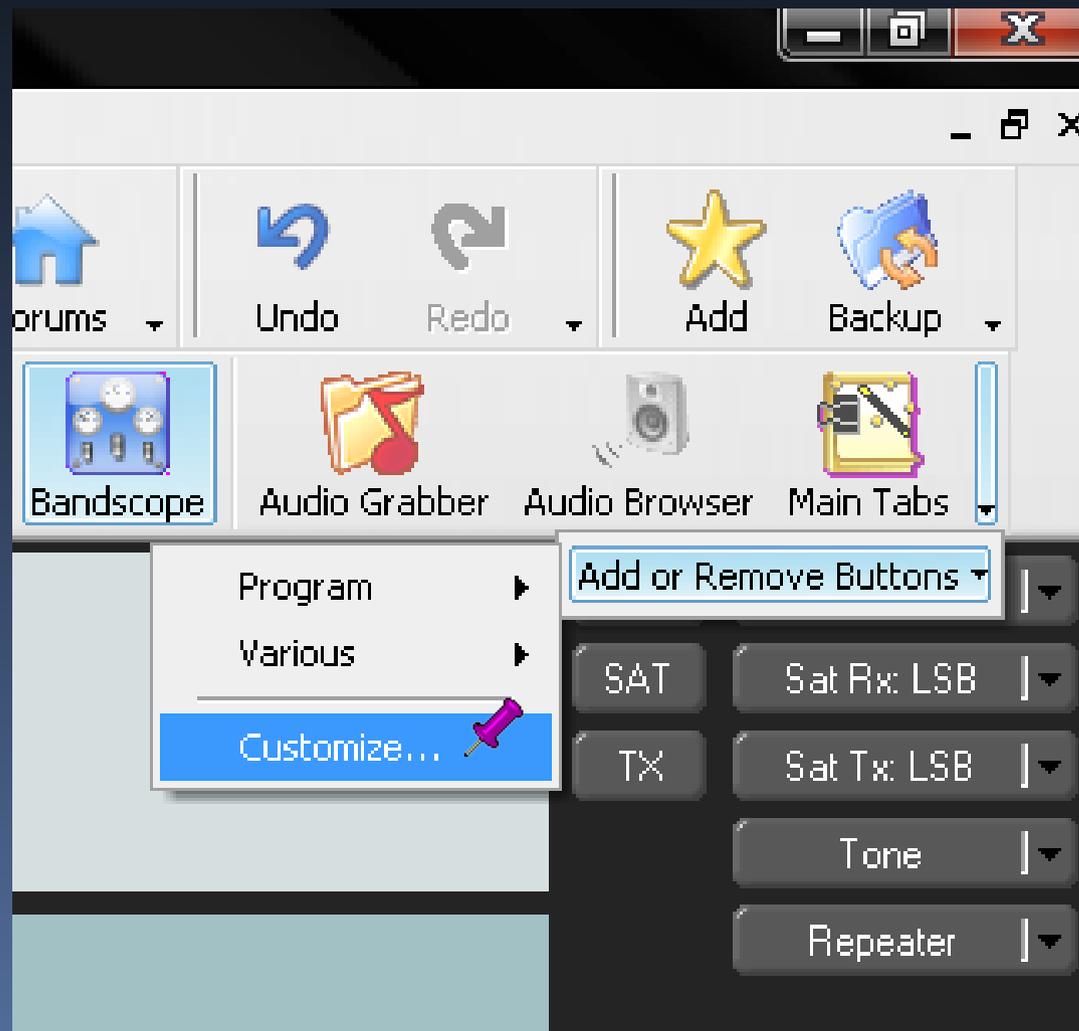
The screenshot displays the HamRadioDeluxe software interface. The main window shows the frequency **10.110.640** on the USB mode. The interface includes a menu bar (File, Edit, View, Bands, Favourites, Quick Save, Macros, Logbook, Scanning, Tuning, Tools, Voice, Window, Help) and a toolbar with various icons for functions like Connect, Selection, Favourite, Quick Save, Full Screen, DX Cluster, Logbook, Satellites, SW Data, Sliders, Customise, Options, Forums, Undo, Redo, Add, Backup, Tune Up, Mapper, DM780, PSK31, Synch, Remote, Serial, Programs, Browser #1, Browser #2, Lookup, WinKey, Bandscope, Audio Grabber, Audio Browser, and Main Tabs. The status bar shows the date **domingo, 08 de marzo de 2009**, the band **160m - 10m (Region 1)**, and the time **16:21:22**. A pink pushpin is placed on the LDG Electronics window.

The **LDG Electronics** window is open, showing the **COM3** port and **Antenna: 1 2**. The window includes a list of parameters: Fwd, Rev, SWR, Frequency, and Tuning. The **Entry** field is empty. The SWR is displayed as **1.1:1**. Below the window, there are three frequency scales for 30m, 40m, and 60m bands.

30m scale: 10.100 to 10.150
40m scale: 7.000 to 7.200
60m scale: 5.250 to 5.450

The Windows taskbar at the bottom shows the Start button and several open applications: **HamRadioDeluxe - [FT...**, **Microsoft PowerPoint - ...**, **Dibujo - Paint**, and **BETAS**. The system tray on the right shows the time **16:21**.

CONFIGURA LAS BARRAS



SELECCIONA TUNE UP Y ARRASTRALO A UNA BARRA

The screenshot shows the HamRadioDeluxe software interface. A 'Customize' dialog box is open, displaying a list of categories on the left and a list of commands on the right. The 'Tools' category is selected, and 'Tune Up' is highlighted in the command list. The background shows the main software interface with a frequency display, a spectrum analyzer, and a list of DX spots.

Customize Dialog Box:

- Categories: File, Edit, View, Bands, Favourites, Quick Save, Macros, Logbook, Scanning, Tuning, **Tools**, Voice, Window, Help
- Commands: LDG Electronics ATUs, Lock Program, Rotator, Satellite Tracker, Shortwave Database, Transverter, **Tune Up**, IP Server, N8VB vCOM Configuration

Background Software Interface:

- Menu: File, Edit, View, Bands, Favourites, Quick Save, Macros, Logbook, Scanning, Tuning, Tools, Voice, Window, Help
- Toolbar: Connect, Selection, Favourite, Quick Save, Full Screen, DX Cluster, Logbook, Satellites, SW Data, Sliders, Customise, Options, Forums, Undo, Redo, Add, Backup
- Secondary Toolbar: Tune Up, Mapper, DM780, PSK31, Synch, Remote, Serial, Programs, Browser #1, Browser #2, Lookup, WinKey, Bandscope, Audio Grabber, Audio Browser, Main Tabs
- Frequency Display: 14.050 to 14.100 MHz
- Spectrum Analyzer: 144.000 to 145.000 MHz
- HRD: Top 50 DX spots on ALL

ALL	DX	Freq	UTC	Spotter	Comment	Bearing
HF	VP8KF	14267.3	08 Mar 22:09	K3IE	Falkland Is.:	211.7° 11,578 km
VHF	KG9N	14252.0	08 Mar 22:11	UA0CA	United States of America:	305.6° 7,728 km
1.8 MHz	V85NL	7001.0	08 Mar 22:10	JA1SFL	Brunei Darussalam: cq cq	66.8° 12,000 km
3.5 MHz	CE4CT	28488.1	08 Mar 22:09	KU5B	Chile:	230.7° 10,701 km
7 MHz	LU7FSM	28460.0	08 Mar 22:09	KI4TZU	Argentina:	222.4° 10,037 km
10 MHz	KH6RC	28426.0	08 Mar 22:09	KH6DXC	Hawaii: HAWAII Loud	330.4° 12,749 km
14 MHz	QA4SS	28464.5	08 Mar 22:09	KD4JRX	Peru:	250.1° 9,526 km
18 MHz						

HAY MUCHOS TRANSCEPTORES SIN SOPORTE PARA ATU SI TIENES UNO FULL AUTOMATICO ESTA ES LA FORMA DE CONFIGURAR O USARLO VIA CAT

The screenshot shows the HamRadioDeluxe software interface. The main window displays a frequency of 14.200.000 MHz in USB mode. The 'Tune Up' dialog box is open, showing options for 'Continuous' or 'Start timer' (set to 5 seconds), 'Transmit mode' (set to AM), and 'RF Power'. The background shows a frequency display, a spectrum analyzer, and a table of DX spots.

HRD: Top 50 DX spots on ALL

ALL	DX	Freq	UTC	Spotter	Comment	Bearing
HF	T46G	14188.1	08 Mar 22:13	K6III	Cuba:	278.5° 7,382 km
VHF	JA3YBK	14276.6	08 Mar 22:13	AD1C	Japan:	29.6° 10,783 km
1.8 MHz	VE9GLF	7097.9	08 Mar 22:14	S540	Canada: arrl	313.0° 6,946 km
3.5 MHz	TI8II	28435.6	08 Mar 22:11	N3CR	Costa Rica: 59 into epa	271.6° 8,493 km
7 MHz	DL2OBO	7053.6	08 Mar 22:13	W2IRT	Fed. Rep. of Germany: QSX 7229.00	28.9° 1,387 km
10 MHz	K5RQ	14249.9	08 Mar 22:12	G4OPL	United States of America:	305.6° 7,728 km
14 MHz	S58FA	14179.8	08 Mar 22:13	K2EP	Slovenia:	67.7° 1,690 km
18 MHz						

PANTALLA DE INICIO DE HRD

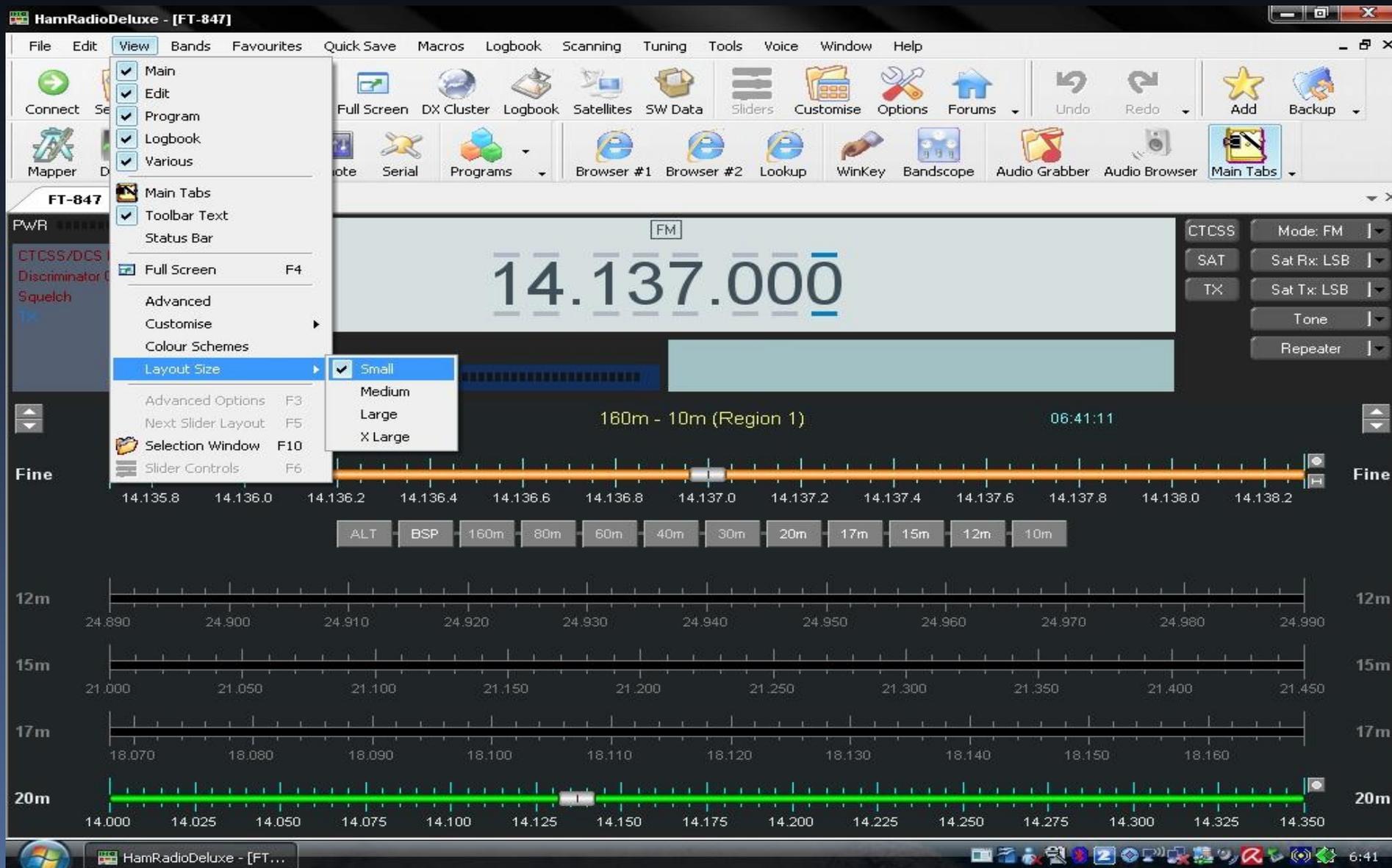
The screenshot displays the HamRadioDeluxe software interface. At the top, there is a menu bar with options: File, Edit, View, Bands, Favourites, Quick Save, Macros, Logbook, Scanning, Tuning, Tools, Voice, Window, and Help. Below the menu is a toolbar with icons for Connect, Selection, Favourite, Quick Save, Full Screen, DX Cluster, Logbook, Satellites, SW Data, Sliders, Customise, Options, Forums, Undo, Redo, Add, and Backup. A second row of icons includes Mapper, DM780, PSK31, Synch, Remote, Serial, Programs, Browser #1, Browser #2, Lookup, WinKey, Bandscope, Audio Grabber, Audio Browser, and Main Tabs.

The main window title is "FT-847". On the left, a panel shows "PWR" and "CTCSS/DCS Match" settings. The central display shows the frequency "14.137.000" in FM mode. To the right, there are controls for CTCSS, Mode (FM), SAT, Sat Rx (LSB), TX, Sat Tx (LSB), Tone, and Repeater. Below the frequency display is a signal strength indicator labeled "S3".

The interface also shows the date "viernes, 06 de febrero de 2009", the band "160m - 10m (Region 1)", and the time "06:37:12". A frequency scale is visible with a "Fine" label and a range from 14.135.8 to 14.138.2. Below this are buttons for "ALT", "BSP", and various band modes: "160m", "80m", "60m", "40m", "30m", "20m", "17m", "15m", "12m", and "10m".

At the bottom, there are four frequency scales for different bands: 12m (24.890 to 24.990), 15m (21.000 to 21.450), 17m (18.070 to 18.160), and 20m (14.000 to 14.350). The Windows taskbar at the bottom shows the system tray with the time "6:37".

AJUSTAMOS VIEW PARA VER LO QUE DESEAMOS



AÑADIR O QUITAR BOTONES

The screenshot displays the HamRadioDeluxe software interface for an FT-847 radio. The main window shows a frequency display of 14.137.0 MHz in FM mode. A context menu is open over the toolbar, titled 'Add or Remove Buttons', with a list of tools and their checkboxes:

- Browser #1
- Browser #2
- Browser #3
- Browser #4
- Browser #5
- Browser #6
- Lookup
- WinKey Alt+K
- Bandscope
- Audio Grabber
- Audio Browser
- Main Tabs

Below the list is a 'Reset Toolbar' button. The interface also shows various other controls like 'Connect', 'Selection', 'Favourite', 'Quick Save', 'Full Screen', 'DX Cluster', 'Logbook', 'Satellites', 'SW Data', 'Sliders', 'Customise', 'Options', 'Forums', 'Undo', 'Redo', 'Add', 'Backup', 'Mapper', 'DM780', 'PSK31', 'Synch', 'Remote', 'Serial', 'Programs', 'Browser #1', 'Browser #2', 'Lookup', 'WinKey', 'Bandscope', 'Audio Grabber', 'Audio Browser', and 'Main Tabs'. The bottom status bar shows the time as 6:45.

ACTIVACION DE DX CLUSTER

The screenshot displays the HamRadioDeluxe software interface for FT-847. The main display shows the frequency 14.137.000 in FM mode. The interface includes a menu bar, a toolbar with various functions like Connect, Selection, Favourite, Quick Save, Full Screen, DX Cluster, Logbook, Satellites, SW Data, Sliders, Customise, Options, Forums, Undo, Redo, Add, and Backup. Below the main display, there is a frequency scale and a list of DX spots.

viernes, 06 de febrero de 2009 160m - 10m (Region 1) 06:49:54

HRD: Top 50 DX spots on ALL

DX	Freq	UTC	Spotter	Comment
S21RC	28495.0	06 Feb 05:20	S21RC	Bangladesh: 10m cq
UX1UA	1826.6	06 Feb 05:19	K4EDI	Ukraine:
FS/WW5L	3790.2	06 Feb 05:19	RA1AG	Saint Martin: sim 59,tnx
EL2DX	1819.0	06 Feb 05:19	K9OT	Liberia: CQ
UX1UA	1826.6	06 Feb 05:17	UT5EO	Ukraine: cq,cq
SP3BQ	1825.5	06 Feb 05:16	EA4SV	Poland: with np4a, both big signs
ZC4VJ	7007.0	06 Feb 05:14	EB5RR	UK Sov. Base Areas on Cyprus: 599 en Murcia
FW5RE	21010.0	06 Feb 05:15	JA1BNL	Wallis & Futuna Is.: request ok tks
LA5FHA	1824.0	06 Feb 05:21	OE6BMG	Norway: callling CQDX
UT7UJ	1835.0	06 Feb 05:14	K9PPY	Ukraine: GM TNX QSO

LA TECLA *i* NOS PERMITE INTRODUCIR NUESTROS DATOS Y CONFIGURAR NUESTROS CLUSTER FAVORITOS

The screenshot displays the HamRadioDeluxe software interface with the 'Profiles' dialog box open. The dialog box is titled 'Profiles' and contains the following fields and options:

- Profile: 1 (selected), 2, 3, 4, 5, 6, 7, 8, 9, 10
- Callsign: EA4EWH
- Owner: [Empty]
- Operator: [Empty]
- Name: JUAN GONGORA
- Street: C/TOLEDO,8
- City: MADRID
- County: SPAIN
- State: [Empty]
- ZIP: 28830
- Country: Spain
- Power: 100 W
- Equipment: FT-847
- Antennas: END FED
- Lat/Lon: In decimal degrees, North and East are +ve, South and West -ve.

The HRD: Top 50 spots on ALL window at the bottom left shows a list of spots with a red circle around the 'i' icon. The list includes:

Mode	Frequency	Call
ALL		DK
HF		EI6S
VHF		TA1AN
1.8 MHz		A61R
3.5 MHz		W4LXE
7 MHz		RK9UN
10 MHz		



ea5elx.sytes.net:8000

DX Cluster Configuration

General / Source DX Cluster Client DX Cluster Configuration Google Earth

Address: ea5elx.sytes.net:8000 Close

Connecting to ea5elx.sytes.net port 8000...
Connected

Welcome to SC URE Elche EA5ELX-5 DXSpider Cluster running under GNU/Linux.
Please, login with your callsign.

login: EA4EWH

Hello EA4EWH, this is EA5ELX-5 in Elche

running DXSpider V1.55 build 0.33

* DX-Cluster of URE Elche EA5ELX

* ? all : Cluster command list Use HELP FILTER to use DX filters

*

* Telnet: ea5elx.sytes.net:8000

*

* Webcluster: ea5elx.sytes.net

*

* Ayuda comandos habituales con TYPE AYUDA

* Ayuda configuracion filtro DX con TYPE FILTRO

*

* If you are looking for Qsl Info try one of these commands :

* Si necesitas informacion de rutas de QSL usa uno de estos comandos:

* SH/425 call SH/QSL call SH/DX QSL call

*

* Our gratefulness to EA5CEE for the hosting

*

No messages found

Cluster: 435 nodes, 27 local / 3283 total users Max users 3983 Uptime 1 07:15

Please enter your name, set/name <your name>

Please enter your QTH, set/qth <your qth>

Please enter your location with set/location or set/qra

Please enter your Home Node, set/homemode <your home DX Cluster>

EA4EWH de EA5ELX-5 28-Mar-2009 2140Z dxspider >

DX de W5IF:	21300.6	KH7XS	strong in midwest	2140Z
DX de AI4ME:	7155.3	KI1G		2140Z
DX de ON3JMG:	1423890.0	K4ZW	5/6 in contest	2140Z
DX de SP7KKX:	1862.0	SO8R	CQ WPX	2140Z KO10
DX de E71DX:	7108.0	E79D		2140Z
DX de K2YR:	14220.0	VK7ZE	59 plus LONG PATH	2140Z
DX de ON7ZM:	7077.2	WP2Z	STRONG	2140Z
DX de 9A7W:	7064.2	TC7KA	wpx	2140Z JN85
DX de N6WK:	14312.0	HI3CCP	Correct Call is HI3CCP	2140Z

Input: EA4EWH Enter Idle: 0:00:05

show/dx show/user show/www directory who help



ACTIVACION DE BAND-SCOPE ESCANER DE BANDA

The screenshot displays the HamRadioDeluxe software interface for an FT-847 radio. The main display shows the frequency 14.170.000 MHz. The BandScope window at the bottom shows a spectrum plot with a play button icon circled in red. The interface includes a menu bar, a toolbar, and a status bar.

BandScope Display:

14.170.000

BandScope

HRD: Top 50 DX spots on ALL

ALL	DX	Freq	UTC	Spotter	Comment	Bearing
HF	NP4A	1845.0	06 Feb 05:59	ON8DM	Puerto Rico: worked strong calling EU	267.0*
VHF	WV8CZ	14145.0	06 Feb 05:59	DN8XC	K...	17.0*

BARRA DE SELECCION DE ZONA Y BANDA

The screenshot displays the HamRadioDeluxe software interface. The main window shows a frequency display of 14.082.000 in USB mode. The Selection window is open on the left, showing a list of bands and a red circle highlighting the 'Bands' section. The interface includes a menu bar, a toolbar, and a status bar. The Selection window contains the following items:

- Toggle Selection Window (F10) - Show or hide the selection window
- Connect
- Selection
- Favourite
- Quick Save
- Full Screen
- DX Cluster
- Logbook
- Satellites
- SW Data
- Sliders
- Customise
- Options
- Forums
- Undo
- Redo
- Add
- Backup
- Mapper
- DM780
- PSK31
- Synch
- Remote
- Serial
- Programs
- Browser #1
- Browser #2
- Lookup
- WinKey
- Bandscope
- Audio Grabber
- Audio Browser
- Main Tabs

The Selection window shows the following bands:

- 160m - 10m (Region 1)
- 160m - 10m (Region 2)
- 160m - 10m (Region 3)
- 160m - 70cm
- 60m (5 MHz)
- 6m (Detail)
- Broadcast
- Low Freq
- Shortwave
- VHF - UHF

The main window displays the frequency 14.082.000 in USB mode. The frequency display is surrounded by a blue border. Below the frequency display, there is a horizontal bar with a slider and a 'Fine' label. The interface also shows a date and time display: '06 de febrero de 2009' and '07:14:28'. The status bar at the bottom shows 'CAP' and the system tray with the time '7:14'.

VER MARCAS DE FRECUENCIAS FAVORITAS

The screenshot displays the HamRadioDeluxe software interface. At the top, the title bar reads "HamRadioDeluxe - [FT-847]". The menu bar includes File, Edit, View, Bands, Favourites, Tools, Voice, Window, and Help. The toolbar contains various icons for functions like Connect, Selection, Favourite, Add Manager, Show Markers, Marker Size, Display, DX Cluster, Logbook, Satellites, SW Data, Sliders, Customise, Options, Forums, Undo, Redo, Add, and Backup. A tooltip for the "Show Markers" button is visible, stating "Show markers on the tuning dial for each favourite".

The main display area shows the current frequency as 14.183.540 in USB mode. Below this, there are several frequency scales for different bands: 160m - 10m (Region 1), 15m, 17m, 20m, and 30m. The 160m - 10m scale is highlighted in orange, and the 20m scale is highlighted in green. The date and time are shown as "domingo, 08 de marzo de 2009" and "16:12:18".

At the bottom left, the text "LDG Electronics" is visible. The bottom right corner shows standard window control buttons.

OPCIONES ESPECIALES DE HRD

- * TRANSVETERS
- * SDR (Radio Definida por Software)

SOPORTE PARA TRANSVERSORES

The screenshot shows the HamRadioDeluxe software interface. The 'Tools' menu is open, and 'Transverter Support' is highlighted. A tooltip for 'Transverter Support' is visible, containing the text 'Transverter support'. The interface includes a main display area with a frequency of 28.000 MHz, a bandscope, and a logbook table.

Tools Menu:

- Archive
- Add Desktop Icon
- Audio Browser
- Audio Grabber
- Bandscope
- Browsers
- Calendar
- Command Tester
- DDE Monitor
- DX Cluster Alt+A
- K1EL WinKey Alt+K
- LDG Electronics ATUs
- Lock Program
- Rotator
- Satellite Track
- Shortwave Database
- Transverter**
- Tune Up
- IP Server
- N8VB vCOM Configuration
- 3rd-Party Serial Port
- HRD Cluster Updates
- Web Page Updates
- Extended Menus
- Memory Management
- Parallel Port
- Programs
- Soundcards
- Customise Layout Ctrl+F8
- Program Options F8

Transverter Support Tooltip:

Transverter support

Logbook Table:

ALL	DX	Freq	UTC	Spotter	Bearing
HF	EA1ABT	14284.8	08 Mar 22:27	AD1C	154.8° 24 km
VHF	CT3DL	14199.2	08 Mar 22:27	N7TR	239.6° 1,455 km
1.8 MHz	ZL7T	21020.0	08 Mar 22:27	JA1WLO	235.0° 19,300 km
3.5 MHz	PJ2T	28409.0	08 Mar 22:27	W4ZSB	263.3° 7,083 km
7 MHz	HK4CZE	18162.5	08 Mar 22:27	KP4E	260.9° 8,007 km
10 MHz	7Z1SJ	14244.0	08 Mar 22:27	WB9AZA	90.8° 5,143 km
14 MHz	I2VRN	21728.0	08 Mar 22:27	N3MX	79.6° 1,334 km
18 MHz					

CONFIGURACION DE UN TRANSVERTER

The screenshot shows the HamRadioDeluxe software interface. The main display shows a frequency of 28.000.000 MHz. A 'Transverter: 116.000 MHz ...' window is open, showing a frequency of 144.000.000 MHz. A 'Transverter Offsets' dialog box is open, showing a list of offsets with 'Transverter + Radio' at 116.000 MHz. The 'Add' button is highlighted with a pink pushpin. The background shows a bandscope and a log table.

Transverter Offsets Dialog Box:

Display	Offset MHz
Transverter + Radio	116.000

HRD: Top 50 DX spots on ALL

Band	DX	Freq	UTC	Spotter	Comment	Bearing
HF	ZL7T	21020.4	08 Mar 22:23	WA5FWC	Chatham Is.: up 1	235.0° 19.300 km
VHF	CW7T	14325.0	08 Mar 22:23	N8AVR	Uruguay:	220.9° 9.934 km
1.8 MHz	K5DDJ/B	28248.7	08 Mar 22:23	PY2XC	United States of America: 569 in GG66	305.6° 7.728 km
3.5 MHz	ZV2C	28389.9	08 Mar 22:23	K5NA	Brazil:	217.7° 8.164 km
7 MHz	NP4Z	14255.4	08 Mar 22:23	KA9FOX	Puerto Rico: Fresh Cornholio Meat	267.0° 6.407 km
10 MHz	AY5F	21212.9	08 Mar 22:23	KU5B	Argentina:	222.4° 10.037 km
14 MHz	JA3YAA	14340.4	08 Mar 22:23	W8JY	Japan:	29.6° 10.783 km
18 MHz						

SOPORTE DE RADIO DEFINIDA POR SOFTWARE SDR

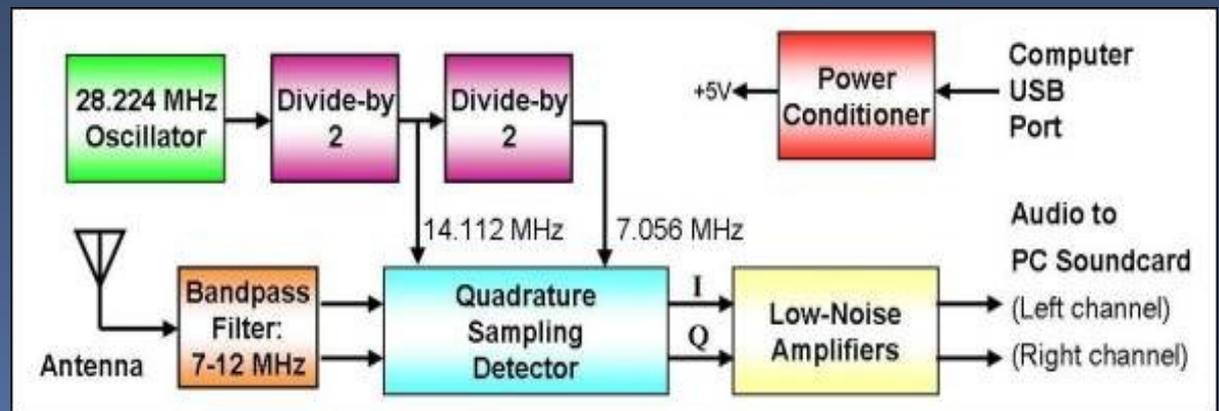
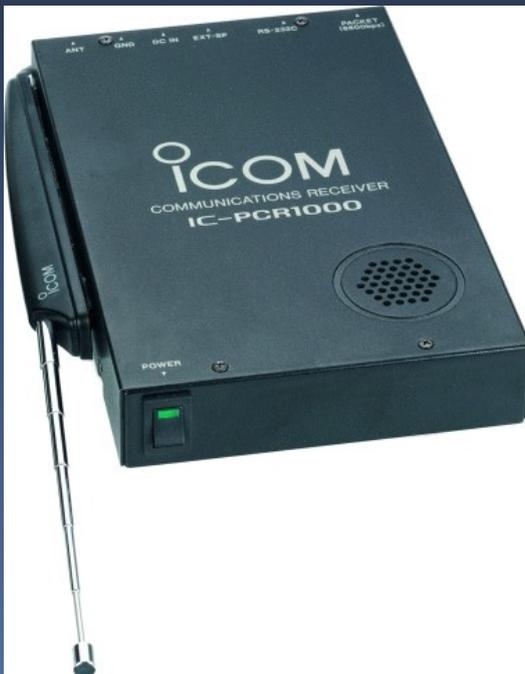
The screenshot shows the HamRadioDeluxe software interface with the 'Options' dialog box open. The dialog box is titled 'Options' and has a tree view on the left with 'Info: CAT Support' selected. The main area of the dialog box is divided into several sections: 'Skinning', 'Theme', 'Updates', and 'Yaesu'. The 'Info: CAT Support' section contains a table of supported radio models and their CAT commands.

Radio Model	Category	Option	CAT Command
OMNI VII (Radio)	Buttons: On/Off	0 dB	Cmd: []
OMNI VII (Remote)	Buttons: On/Off	10 dB	Cmd: []
Orion	Buttons: On/Off	20 dB	Cmd: []
Orion: Demo	Buttons: On/Off	30 dB	Cmd: []
PCR-1000	Buttons: On/Off	AGC-F	Cmd: []
Perseus	Buttons: On/Off	AGC-M	Cmd: []
R-5000	Buttons: On/Off	AGC-Off	Cmd: []
RX-350	Buttons: On/Off	AGC-S	Cmd: []
SDR-1000	Buttons: On/Off	AM	Cmd: []
TS-140S	Buttons: On/Off	CW	Cmd: []
TS-2000	Buttons: On/Off	DRM	Cmd: []
TS-2000: Demo	Buttons: On/Off	FM	Cmd: []
TS-440S	Buttons: On/Off	LSB	Cmd: []
TS-450S	Buttons: On/Off		
TS-480	Buttons: On/Off		
TS-480: Demo	Buttons: On/Off		
TS-50S	Buttons: On/Off		
TS-570	Buttons: On/Off		
TS-570: Demo	Buttons: On/Off		

The background shows the main interface of HamRadioDeluxe with a frequency display at 14.100 MHz and various control panels.

SDR RADIOS

SoftRock-40 PERSEUS IC PCR1000



OPCION DUAL VFO TRACKING

Ham Radio Deluxe v5.0 Beta, Registered to EA4EWH in Spain - [FT-847]

File Edit View Bands Favourites Quick Save Macros Logbook Scanning Tuning Tools Voice Window Help Donate

Connect Selection Favourite Quick Save Tune Up Full Screen Logbook Satellites SW Data Sliders Customise Options Forums Add

Undo Redo Browse

PWR

CTCSS/DCS Match
Discriminator Center
Squelch
TX

S8

Fine 144.698.8

HRD: Top 50 DX spots on VHF

ALL
HF
VHF
1.8 MHz
3.5 MHz
7 MHz
10 MHz
14 MHz
18 MHz
21 MHz

ES6RQ 144124.0 30 Apr 20:21 DK0KK cq JT65 -7
G4IGO 50230.0 30 Apr 20:18 OZ1BNN TU JT6M QSO quick one
F1UJS 50230.0 30 Apr 20:12 S57TW QRV Today??
OH7PI 144130.0 30 Apr 20:12 PA1VW EME -23
C1USTER 144300.0 30 Apr 20:08 DJ8RZ for VHF: <http://dj8rz.de.vu>
UA4API 144143.0 30 Apr 20:07 DC2MW TNX Victor -18
DN3KYF 50095.0 30 Apr 20:06 DK3CU beam north
JT6M 50230.0 30 Apr 20:01 LA7AJ All on 230 spread out pse
RK3FG 144154.0 30 Apr 19:57 PA1VW CQ EME -20

Options

Accelerators
Custom Table
Comms
Dual VFO Tracking
RX Timeout
Switch Off
Polling
COM Port TX
RTS/DTR/Both/None
ICOM Calibration
S-Meter
Info: Modes
Mapping
Info: CAT Support
Supported
Internet
Enable
Out Of Band
Enable
In band
Out of band
Mouse Wheel
CW Fine
CW Hot
Other Fine
Other Hot
Selection Window
Advanced values
Tree expand
Skinning

Info: CAT Support Internet Out Of Band Mouse Wheel Selection Window
Skinning Theme Updates Yaesu
Accelerators Comms COM Port TX ICOM Calibration Info: Modes

Communications options, restart to apply new values.

Read Timeout
 Use default (500 ms)
500 ms
Specifies the maximum time, in milliseconds, allowed to elapse between the arrival of two characters on the communications line.
 Display timeout warnings

Switch Off
 Prompt to switch off the radio when closing (if supported by the radio)

Dual VFO Tracking
 Track dual VFOs every refresh (not suitable for slow comms connection). Recommended for satellite tracking.

Polling
 Only poll radio if HRD is the active program.

Refresh Interval (milliseconds)
 100 300 500
 200 400 1,000

Aceptar Cancelar Aplicar

CTCSS Mode: FM
SAT Sat Rx: LSB
TX Sat Tx: LSB
Tone
Repeater

Fine 144.701.2

Maps - Windows Inter... RADIO Ham Radio Deluxe v5... 20:28

ACTIVAR SATELLITE TRACKER

The screenshot shows the HamRadioDeluxe software interface. The main window displays the frequency 145.799.240 MHz. A secondary frequency, 145.200.750 MHz, is also visible. The interface includes a menu bar, a toolbar with the 'Satellite Tracker' button highlighted, and a bottom panel displaying a list of DX spots.

HRD: Top 50 DX spots on ALL

ALL	DX	Freq	UTC	Spotter	Comment	Bearing
HF	CU2AO	14070.0	08 Mar 18:11	W0EJ	Azores: Gud sig to PA freq .984	268.6° 1
VHF	LZ4RR	14188.5	08 Mar 18:09	OR2F	Bulgaria:	75.5° 2
1.8 MHz	EA1YO	14310.8	08 Mar 18:11	K0EA	Spain:	154.8° 7
3.5 MHz	K1JB	14291.0	08 Mar 18:11	OE3JTB	United States of America:	305.6° 7
7 MHz	WA6APQ/B	28244.0	08 Mar 18:11	PY2XC	United States of America: 559 in GG66	305.6° 7
10 MHz	EI2CN	14293.7	08 Mar 18:11	N6RO	Ireland:	352.9° 1
14 MHz	EI2T	21319.5	08 Mar 18:10	WI9WI	Bonaire Curacao (Neth Antilles):	263.3° 7
18 MHz						

ACTIVAR PANEL DE RADIO Y CONECTAR T/R

The screenshot displays the HRD Satellite Tracking software interface. The main window is titled "HRD Satellite Tracking - [AO-51]". The interface is divided into several sections:

- Radio Panel (Left):** Shows the radio configuration for "FT-847". It includes VFO-A (435.900.000) and VFO-B (145.900.000). Mode is set to USB, Sat Rx to USB, Sat Tx to LSB, and Tone is selected. A Repeater section is visible with TX and SAT buttons.
- Control Panel (Top Right):** Features a "Radio Pane" dropdown, "New Satellite", "Next Passes", "Satellite Defns", "Announce", "Help", and "Google Earth" buttons. It also shows "Tilt: 0.00°" and "Azim: +0.00°".
- Satellite Tracking (Center):** Displays "Satellite: AO-51" and "Track: 30 mins". It includes a "Tuning Dial", "Favourites", "Rotator", "Manual Tuning" (with an "Enable" checkbox), and "Next Passes", "Home Page", and "Options" buttons. The tracking data is as follows:

Mode	Frequency	Direction	Frequency
RX	VFO-A 435.151.004	DOWNLINK	435.150.000
TX	VFO-B 145.879.664	UPLINK	145.880.000
- Map (Bottom):** Shows a world map with a satellite track for AO-51. A circular gauge displays "AO-51" with "AZ: 143.5°" and "EL: -65.2°". A data box in the bottom right of the map provides the following information:

AO-51	AOS: 07:43:54
	Elv: -65.2°
	Rng: 12,429.6 km
	Alt: 815.2 km
- Bottom Bar:** Includes "Show the radio pane", "DDE Server", "CAP", "NUM", and "SCRL" buttons.

The Windows taskbar at the bottom shows the system tray with the time 23:20 and several icons, including the Start button and open applications like "HamRadioDeluxe - [FT...", "Mis documentos", and "HRD Satellite Tracking ...".

ACTIVAR TUNING DIAL TX Y RX

The screenshot displays the HRD Satellite Tracking software interface. At the top, a menu bar includes File, Edit, View, Browser, Rotator, Satellite, Tools, Window, Help, and a Donate button. Below the menu is a toolbar with icons for Radio Passes, Satellite Defns, Announce, Help, and Google Earth. A status bar shows Tilt: 0.00° and Azim: +0.00°.

The main interface is divided into several sections:

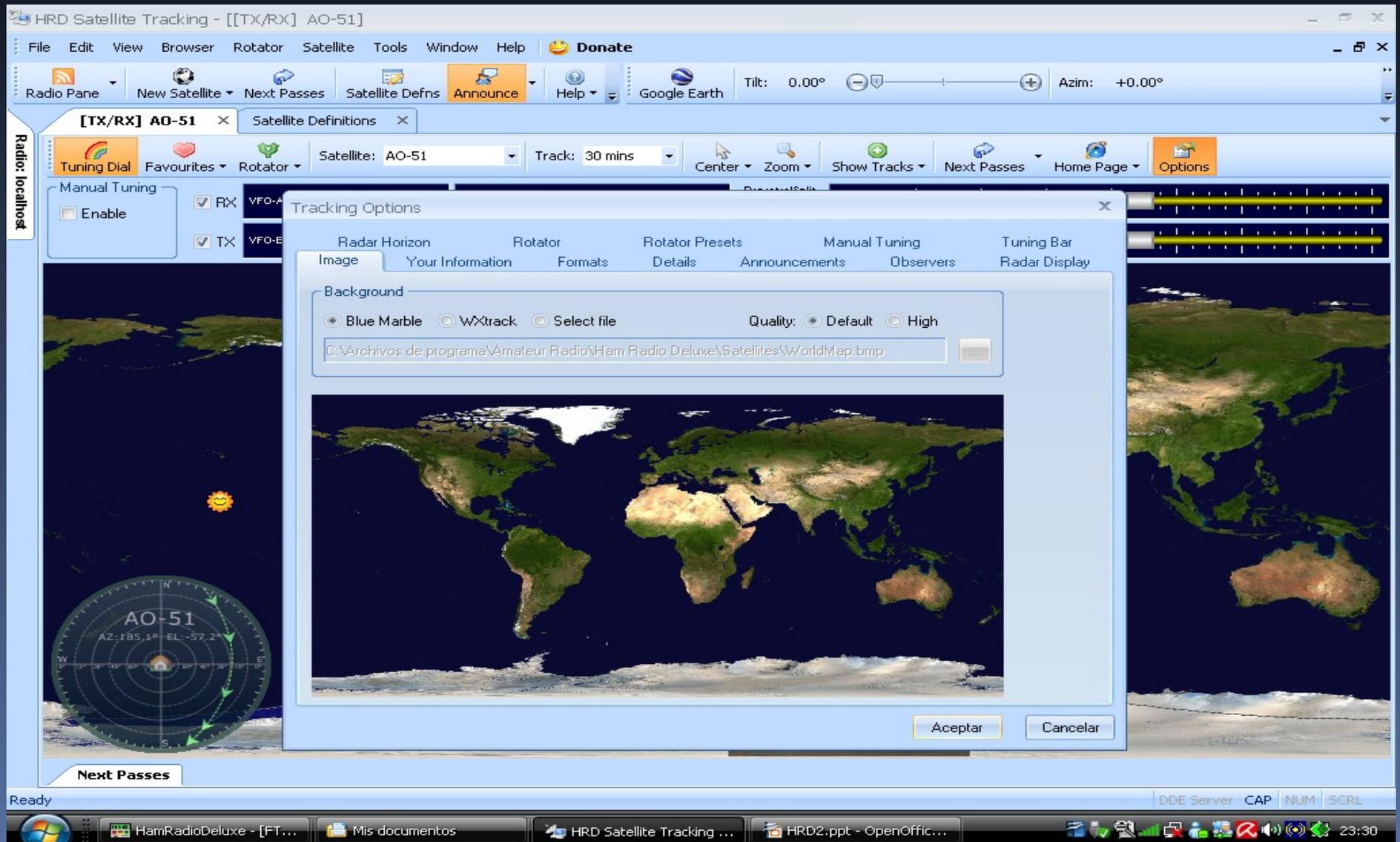
- Radio: localhost** (vertical label on the left)
- Tuning Dial** (highlighted with a yellow callout box that says "Show all tuning windows")
- Manual Tuning** section with an "Enable" checkbox and two rows of frequency data:

<input checked="" type="checkbox"/> RX	VFO-A	435.152.010	DOWNLINK	435.150.000
<input checked="" type="checkbox"/> TX	VFO-B	145.879.326	UPLINK	145.880.000
- Satellite Tracking** section with "Satellite: AO-51" and "Track: 30 mins" dropdowns, and buttons for "Center", "Zoom", "Show Tracks", "Next Passes", "Home Page", and "Options".
- Repeater/Split** section with "Undo" and "Freq" buttons.
- Visuals**: A world map showing the satellite's path. A circular dial overlay shows "AO-51" with "AZ:165.4°" and "EL:-62.1°". A data box at the bottom right of the map provides:

AO-51	AOS: 07:39:02
	Elv: -62.1°
	Eng: 12,126.0 km
	Alt: 802.3 km
- Next Passes** section at the bottom left.

The Windows taskbar at the bottom shows the Start button, taskbar buttons for "HamRadioDeluxe - [FT...", "Mis documentos", "HRD Satellite Tracking ...", and "HRD2.ppt - OpenOffic...", and a system tray with various icons and the time "23:25".

OPCIONES



ACTUALIZAR LOS KEPLERIANOS

The screenshot shows the HRD Satellite Tracking application window. A tooltip titled "Kepler Data" is displayed, containing the text "Show the Kepler data window". The application interface includes a menu bar (File, Edit, View, Browser, Rotator), a toolbar with icons for Radio Pane, New Satellite, Next Pass, Add URL, Add File, Edit, and Delete, and a status bar at the bottom with "Show the Kepler data window", "DDE Server", "CAP", "NUM", and "SCRL".

The main window displays the "Kepler Data" section, which is updated from a source on your computer, last update 08/03/2009 10:50:54. The "Kepler Data" section contains a table with columns "Enable" and "Type".

Enable	Type
<input checked="" type="checkbox"/>	http://www.amsat.org/amsat/
<input checked="" type="checkbox"/>	http://www.celestrak.com/
<input type="checkbox"/>	http://www.celestrak.com/
<input checked="" type="checkbox"/>	http://www.celestrak.com/
<input type="checkbox"/>	http://www.celestrak.com/
<input checked="" type="checkbox"/>	http://www.celestrak.com/

The "Kepler Data" section also includes a "Source" table with columns "Source" and "Text".

Source	Text
URL	

The "Kepler Data" section also includes a "Kepler Data" text box with the following content:

Kepler Data
The Kepler files provide the data needed to determine the position of the satellites. Typically you access Kepler data from the web (a URL) or from a file received by email, examples are:

- Web: <http://www.amsat.org>, <http://www.celestrak.com>
- E-Mail: <http://www.amsat.org/amsat-new/tools/maillist/maillist.php>

For more information about Kepler data see <http://www.amsat.org/amsat-new/tools/keps.php>.

Note: the position of the Moon and Sun are not determined with Kepler data; special algorithms are used.

You must select at least one source, if you are not sure then use the data from AMSAT

DOWNLOADS NOW PARA ACTUALIZAR

The screenshot shows the HRD Satellite Tracking application window. The title bar reads "HRD Satellite Tracking - [Kepler Data]". The menu bar includes File, Edit, View, Browser, Rotator, Satellite, Tools, Window, Help, and a Donate button. The toolbar contains icons for Radio Pane, New Satellite, Next Passes, Satellite Defns, Announ, and a clock showing 11:46:34. A "Download Now" tooltip is visible over the toolbar. The main window has a sidebar with "Radio: localhost" and a "Kepler Data" tab. Below the tab is a toolbar with "Add URL", "Add File", "Edit", "Delete", "Up", "Down", "View", and "Download Now" buttons, along with an "Update every: 1 hour" dropdown. The main area displays "Kepler Data - loaded from the web and files on your computer, last update 08/03/2009 11:46:29". A table lists sources with checkboxes for enabling them. A right-hand panel provides information about Kepler Data, including a note that the Moon and Sun positions are not determined with this data. At the bottom, a log window shows the results of the update process.

Enable	Type	Source
<input checked="" type="checkbox"/>	http://www.amsat.org/amsat/ftp/keps/current/nasabare.txt	URL
<input checked="" type="checkbox"/>	http://www.celestrak.com/NORAD/elements/amateur.txt	URL
<input type="checkbox"/>	http://www.celestrak.com/NORAD/elements/goes.txt	URL
<input checked="" type="checkbox"/>	http://www.celestrak.com/NORAD/elements/stations.txt	URL
<input type="checkbox"/>	http://www.celestrak.com/NORAD/elements/visual.txt	URL
<input checked="" type="checkbox"/>	http://www.celestrak.com/NORAD/elements/weather.txt	URL

Kepler Data
The Kepler files provide the data needed to determine the position of the satellites. Typically you access Kepler data from the web (a URL) or from a file received by email, examples are:

- Web: <http://www.amsat.org>, <http://www.celestrak.com>
- E-Mail: <http://www.amsat.org/amsat-new/tools/maillist/maillist.php>

For more information about Kepler data see <http://www.amsat.org/amsat-new/tools/keps.php>.

Note: the position of the Moon and Sun are not determined with Kepler data; special algorithms are used.

You must select at least one source, is you are not sure then use the data from AMSAT

Time	Source	Text
11:46:22	nasabare.txt	http://www.amsat.org/amsat/ftp/keps/current/nasabare.txt -
11:46:24	nasabare.txt	Opening URL http://www.amsat.org/amsat/ftp/keps/current/nasabare.txt
11:46:24	nasabare.txt	154 lines returned
11:46:24	nasabare.txt	51 definitions added
11:46:24	amateur.txt	http://www.celestrak.com/NORAD/elements/amateur.txt -
11:46:25	amateur.txt	Opening URL http://www.celestrak.com/NORAD/elements/amateur.txt
11:46:25	amateur.txt	178 lines returned
11:46:25	amateur.txt	Catalog number 07530 (AO-07) already in database
11:46:25	amateur.txt	Catalog number 14129 (AO-10) already in database
11:46:25	amateur.txt	Catalog number 14781 (UO-11) already in database
11:46:25	amateur.txt	Catalog number 20439 (AO-16) already in database
11:46:25	amateur.txt	Catalog number 20442 (IO-19) already in database
11:46:25	amateur.txt	Catalog number 22825 (AO-27) already in database
11:46:25	amateur.txt	Catalog number 22826 (IO-26) already in database
11:46:25	amateur.txt	Catalog number 23439 (RS-15) already in database
11:46:25	amateur.txt	Catalog number 24278 (FO-29) already in database
11:46:25	amateur.txt	Catalog number 25397 (GO-32) already in database
11:46:25	amateur.txt	Catalog number 25509 (SO-33) already in database
11:46:25	amateur.txt	Catalog number 25520 (PO-34) already in database
11:46:25	amateur.txt	Catalog number 25544 (ISS) already in database
11:46:25	amateur.txt	Catalog number 26609 (AO-40) already in database

Download data now | DDE Server | CAP | NUM | SCRL

SINCRONIZAR LA HORA POR INTERNET

The screenshot shows the HRD Satellite Tracking software interface. A 'Tools' menu is open, highlighting 'Time Synchronisation'. A tooltip for 'NTP Synchronisation' explains: 'Synchronise the computer time with network time source'. The interface includes a menu bar (File, Edit, View, Browser, Rotator, Satellite, Tools, Window, Help), a toolbar with icons for Radio Pane, New Satellite, Next Passes, and others, and a main window with a satellite map and various controls.

Tools Menu:

- Disable Screens
- DDE Server
- Time Synchronisation**
- Announcements
- Appearance
- Storage
- Options

Radio Pane:

- Manual Tuning: Enable
- RX VFO-A: 435.150.000
- TX VFO-B: 145.880.971
- UPLINK: 145.880.000

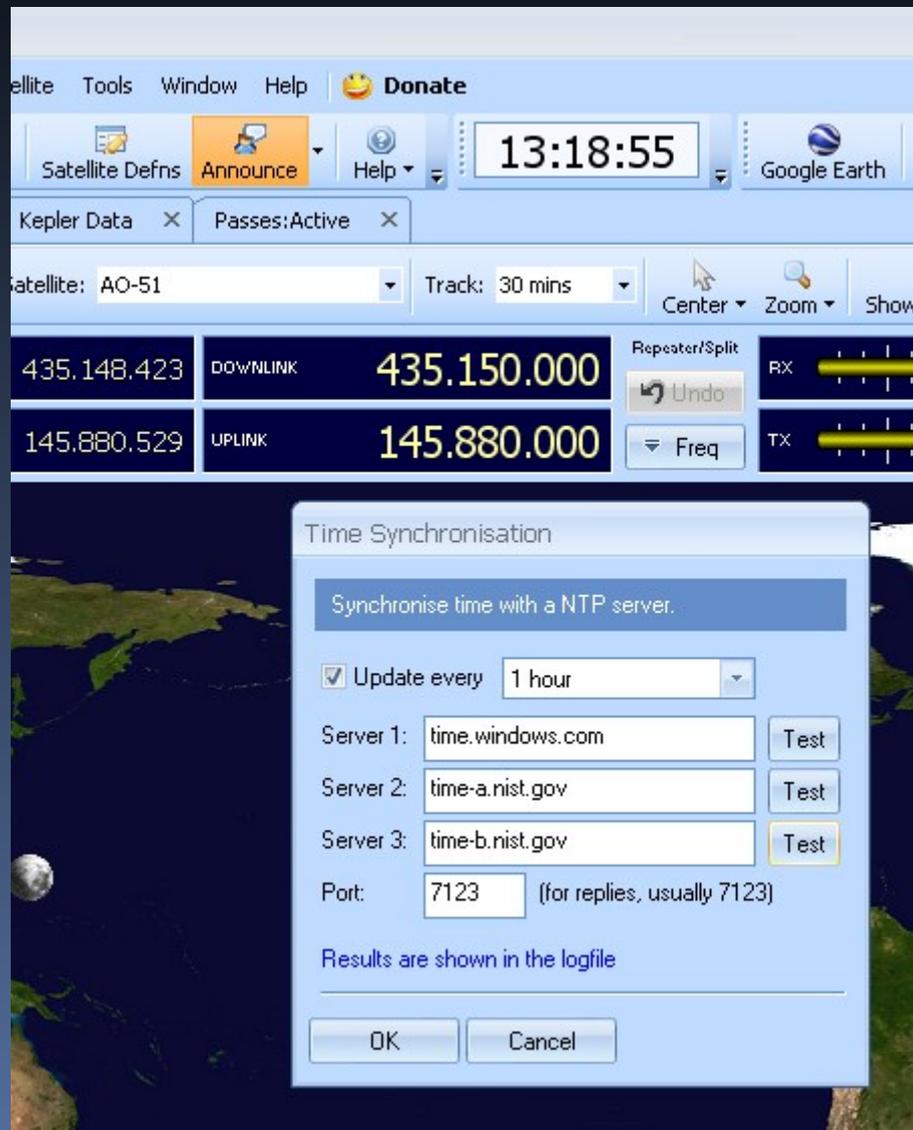
Map Data:

AO-51	AOS: 04:03:29
	Elv: -61.0°
	Azm: 223.0°
	Rng: 12,058.3 km
	Alt: 837.2 km
	Loc: ED03LQ

System Tray:

- Synchronise the computer time with network time source
- DDE Server CAP NUM SCRL
- Diapositiva 25 de 26
- Tema de Office
- Español (España - alfab. tradicional)
- 66%

NTP TIME SYNCHRONISATION



ACTIVAMOS NUESTRO LOCATOR

The screenshot shows the HRD Satellite Tracking application window. The main interface includes a menu bar (File, Edit, View, Browser, Rotator, Satellite, Tools, Window, Help), a toolbar with various icons, and a central display area. The current satellite is set to ISS, and the frequency is 145.800.000 MHz for RX and 437.800.000 MHz for TX. The Options dialog box is open, showing the 'Your Information' tab. The 'Location' section has the 'Locator' field set to 'IN80FK'. The 'Height' section shows 'Metres: 700' and 'Feet: 2297'. The 'AZ: 22.4° EL: -56.5°' is displayed on the radar display in the bottom left corner. The status bar at the bottom shows 'Ready' and 'DDE Server CAP NUM SCRL'.

HRD Satellite Tracking - [[TX/RX] ISS]

File Edit View Browser Rotator Satellite Tools Window Help Donate

Radio Pane New Satellite Next Passes Satellite Defns **Announce** Help 11:39:21 Google Earth Tilt: 0.00° Azim: +0.00°

[TX/RX] ISS Kepler Data

Tuning Dial Favourites Rotator Satellite: ISS Track: 30 mins Center Zoom Show Tracks Next Passes Home Page Options

Manual Tuning
 Enable

<input checked="" type="checkbox"/> RX	VFO-A	145.801.020	DOWNLINK	145.800.000
<input checked="" type="checkbox"/> TX	VFO-B	437.796.937	UPLINK	437.800.000

Repeater/Split
Undo
Freq

Options

Manual Tuning Radar Display Radar Horizon Rotator Rotator Presets Storage Folder Tuning Bar
Image Your Information **Formats** Details Announcements DDE Local Server DDE Remote Server

Location
Locator:
or enter direct
Latitude: ° m s
Longitude: ° m s

Height
Metres: Feet:

Acceptar Cancelar

Ready DDE Server CAP NUM SCRL

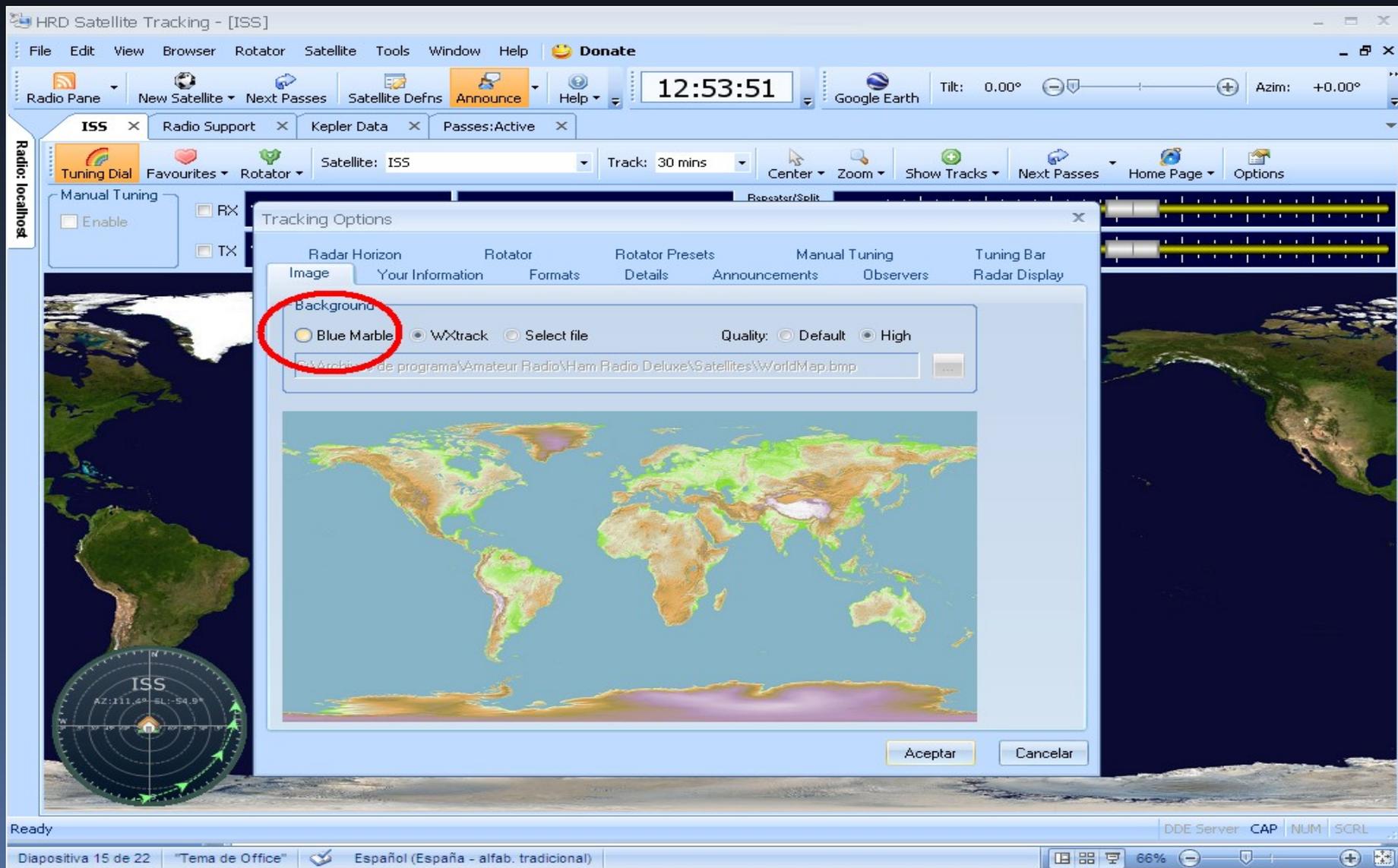
OPCION RADAR

The screenshot shows the HRD Satellite Tracking software interface. The main window displays a 3D view of Earth from space. A 'Tracking Options' dialog box is open, showing the 'Radar Display' tab. The 'Define Your Horizon' section includes input fields for Azim (0) and Elev (0.0), and an 'Apply' button. Below this is a circular radar display for the Moon, showing its position at Az: 235.7° and El: 50.7°. A smaller radar display for the ISS is visible in the bottom left corner. The status bar at the bottom right shows the following data:

Azm:	123.5°
Rng:	10,717.4 km
Alt:	373.1 km
Loc:	NF01GT

The software interface includes a menu bar (File, Edit, View, Browser, Rotator, Satellite, Tools, Window, Help), a toolbar with various icons, and a status bar at the bottom with 'Ready' and 'DDE Server CAP NUM SCRL'.

CAMBIAR MAPA POR DEFECTO



ACTIVAR CONEXIÓN AL EQUIPO

The screenshot displays the HRD Satellite Tracking software interface. The main window title is "HRD Satellite Tracking - [[TX/RX] ISS]". The interface includes a menu bar (File, Edit, View, Browser, Rotator, Satellite, Tools, Window, Help) and a toolbar with various icons. A central display shows the current time as 11:23:40 and Google Earth integration with Tilt and Azimuth settings. The left sidebar shows radio configuration for FT-847, including VFO-A (145.799.760) and VFO-B (145.200.230) frequencies, and mode settings (USB, Sat Rx: USB, Sat Tx: LSB, Tone, Repeater). The main area displays a satellite track over a world map, with a callout box for the ISS showing the following data:

ISS	AOS: 10:57:05
	Elv: -64.2°
	Azm: 92.5°
	Range: 11,882.2 km
	Alt: 367.5 km
	Loc: 0G83VL

The bottom status bar shows "Ready" and "DDE Server CAP NUM SCRL".

VER MIS FAVORITOS

The screenshot shows the HRD Satellite Tracking software interface. The main window displays a list of favorite satellites on the left and a detailed view of the selected satellite, AO-51, on the right. The software is running on a Windows operating system, as indicated by the taskbar at the bottom.

Favorite Satellites List:

Satellite	Repeater / Split	Frequency
AO-07		
AO-10		
AO-16		
AO-27		
AO-51	Repeater / Split: 435.150.000:145.880.000 (QRP FM voice re...	435.150.000 (DOWNLINK) 145.880.000 (UPLINK)
CAPE1	Repeater / Split: 435.300.000:145.920.000 (Normal FM voice ...	
CO-55	Repeater / Split: 435.150.000:145.860.000 (PacSat BBS)	
CO-56	Repeater / Split: 2.401.200.000:145.920.000 (FM voice repe...	
CO-57	Repeater / Split: 435.300.000:28.140.000 (Digital)	
CO-58	Repeater / Split: 435.300.000:1.268.700.000 (FM voice repe...	
COMPASS	Repeater / Split: 435.150.000:1.268.700.000 (PacSat BBS)	
DO-64	Repeater / Split: 2.401.200.000:1.268.700.000 (FM voice rep...	
FO-29	AMSAT	
GO-32	AO-51	
IO-26		
ISS		
LO-19		
MOON		
NO-44		
PO-28		
R5-22		
SO-33		
SO-50		
UO-11		
UO-15		
VO-52		

AO-51 Details:

AOS:	04:16:25
Elv:	-42.1°
Azm:	256.4°
Rng:	9,661.6 km
Alt:	791.9 km
Loc:	EH78JW

The software interface includes a menu bar (File, Edit, View, Browser, Rotator, Satellite, Tools, Window, Help), a toolbar with various controls, and a status bar at the bottom showing system information like language (Español) and zoom level (66%).

ELEGIMOS EL SATELITE

The screenshot displays the HRD Satellite Tracking application window. The title bar reads "HRD Satellite Tracking - [[TX/RX] ISS]". The menu bar includes File, Edit, View, Browser, Rotator, Satellite, Tools, Window, Help, and a Donate button. The toolbar contains icons for Radio Pane, New Satellite, Next Passes, Satellite Defns, Announce, Help, Google Earth, Tilt (0.00°), and Azim (+0.00°). The main interface shows a "Satellite:" dropdown menu with a list of satellites, including IO-26, ISS (highlighted), ISS DEB, KALPANA-1 (METSAT 1), KO-23, KO-25, LO-19, MAST, MET-2/21, MET-3/5, METEOSAT-5 (MOP-2), METEOSAT-6 (MOP-3), METEOSAT-7, METEOSAT-8 (MSG-1), METEOSAT-9 (MSG-2), METOP-A, MO-30, MO-46, MOON, MTSAT-2, NCUBE-2, NO-44, NO-45, NOAA-10, NOAA-11, NOAA-12, NOAA-14, NOAA-15, NOAA-16, and NOAA-17. The "Manual Tuning" section is enabled, showing RX VFO-A at 145.8 and TX VFO-B at 437.7. The "Track:" dropdown is set to "30 mins". The frequency display shows 145.800.000 and 437.800.000. The "Repeater/Split" section has RX and TX sliders. The main window features a 3D Earth map with a satellite track and a data box for the ISS: ISS AOS: 10:53:26, Elv: -64.6°, Azm: 74.4°, Rng: 11,920.5 km, Alt: 362.7 km, Loc: PH34ME. A circular radar display in the bottom left shows the ISS position with AZ: 74.4° and EL: 69.6°. The status bar at the bottom includes "The satellite being plotted in this window" and "DDE Server CAP NLM SCRL".

FREQ MUESTRA LOS MODOS DEL SATELITE ELEGIDO

The screenshot shows the HRD Satellite Tracking software interface for the ISS satellite. The main window displays the satellite's name, Kepler Data, and various control panels. A red circle highlights the 'Freq' dropdown menu in the 'Repeater/Split' section. A dialog box titled 'ISS' is open, showing the 'Frequency' and 'Tuning Bar' tabs. The 'Mode' section has 'Repeater / Split' selected. The 'Frequency' section shows 'Uplink: 437.800.000 MHz' and 'Downlink: 145.800.000 MHz'. A table below lists various modes and their frequencies.

Type	RX Frequency	TX Frequency	Comment
Repeater / Split	145.800.000	144.490.000	Crew Contact for Regions 2
Repeater / Split	145.800.000	145.200.000	Crew Contact for Region 1
Repeater / Split	145.800.000	437.800.000	FM voice repeater
Beacon / RX only	144.490.000	---,---,---	SSTV

ACTUALIZAMOS VFOS TX & RX CORRECCION AUTOMATICA DEL DOPPLER

The screenshot displays the HRD Satellite Tracking software interface. The title bar reads "HRD Satellite Tracking - [[TX/RX] ISS]". The menu bar includes File, Edit, View, Browser, Rotator, Satellite, Tools, Window, and Help. The toolbar contains icons for Radio Pane, New Satellite, Next Passes, Satellite Defns, Announce, Help, and a clock showing 11:30:35. The main window is divided into several sections:

- Radio: localhost** sidebar on the left.
- Control Panel:** Includes "Update radio receive frequency" tooltip, "Manual Tuning" (Enable checkbox), "Track: 30 mins", "Center", "Zoom", "Show Tracks", "Next Passes", "Home Page", and "Options".
- Frequency Table:**

Mode	VFO	Frequency	Direction	Frequency
<input checked="" type="checkbox"/> RX	VFO-A	145.800.361	DOWNLINK	145.800.000
<input checked="" type="checkbox"/> TX	VFO-B	437.798.917	UPLINK	437.800.000
- Map:** A 3D globe showing the ISS orbit. A tooltip for the ISS provides the following data:

ISS	AOS:	10:50:08
	Elv:	-63.7°
	Azm:	58.5°
	Rng:	11,833.5 km
	Alt:	359.0 km
	Loc:	PI74CF
- Compass:** A circular compass in the bottom left corner showing the ISS position with "AZ:58.5° EL:-63.7°".
- Bottom Bar:** Shows "Ready" on the left and "DDE Server CAP NUM SCRL" on the right.

ACTIVAMOS ANUNCIOS DE VOZ

The screenshot displays the HRD Satellite Tracking application window. The title bar reads "HRD Satellite Tracking - [[TX/RX] ISS]". The menu bar includes File, Edit, View, Browser, Rotator, Satellite, Tools, Window, and Help. The toolbar contains icons for Radio Pane, New Satellite, Next Passes, Satellite Defns, Announce, and Help. A digital clock shows 12:26:29. The Google Earth interface shows a 3D map of the Earth with the ISS icon over Africa. A tooltip for the "Announce" button says "Enable satellite visibility announcements". The "Radio: localhost" sidebar is visible on the left. The main control panel includes a "Manual Tuning" section with "Enable" checked, and frequency fields for VFO-A (145.798.764), VFO-B (437.803.710), DOWNLINK (145.800.000), and UPLINK (437.800.000). There are also sliders for RX and TX frequencies. A data box over the map provides the following information:

ISS	AOS:	09:54:17
	Elv:	-33.4°
	Azm:	208.5°
	Rng:	7,610.9 km
	Alt:	364.6 km
	Loc:	HG34HU

The status bar at the bottom shows "Ready" on the left and "DDE Server CAP NUM SCRL" on the right.

VER PASES DE SATELITES

The screenshot displays the HRD Satellite Tracking application window for the International Space Station (ISS). The interface includes a menu bar (File, Edit, View, Browser, Rotator, Satellite, Tools, Window, Help), a toolbar with various icons, and a status bar at the bottom. The main window is divided into several sections:

- Top Panel:** Shows the current time as 12:45:09, Google Earth integration, Tilt: 0.00°, and Azim: +0.00°.
- Radio Support Panel:** Contains a Tuning Dial, Favourites, Rotator, and Manual Tuning options. It displays the current satellite as ISS with a 30-minute track.
- Frequency Panel:** Shows RX and TX frequencies for VFO-A and VFO-B, along with DOWNLINK and UPLINK frequencies. The RX frequency is 145.799.195 and the TX frequency is 437.802.417. The DOWNLINK frequency is 145.800.000 and the UPLINK frequency is 437.800.000.
- Map Panel:** A world map showing the ISS's current position and track. A callout box provides the following data:

ISS	AOS:	09:35:35
	Elv:	-50.3°
	Azm:	144.8°
	Rng:	10,264.8 km
	Alt:	378.3 km
	Loc:	LE70LW
- Bottom Panel:** Includes a circular display for the ISS's current Azimuth (AZ: 144.8°) and Elevation (EL: -50.3°), and a "Show the next passes" button.

PROXIMOS PASES DEL SATELITE

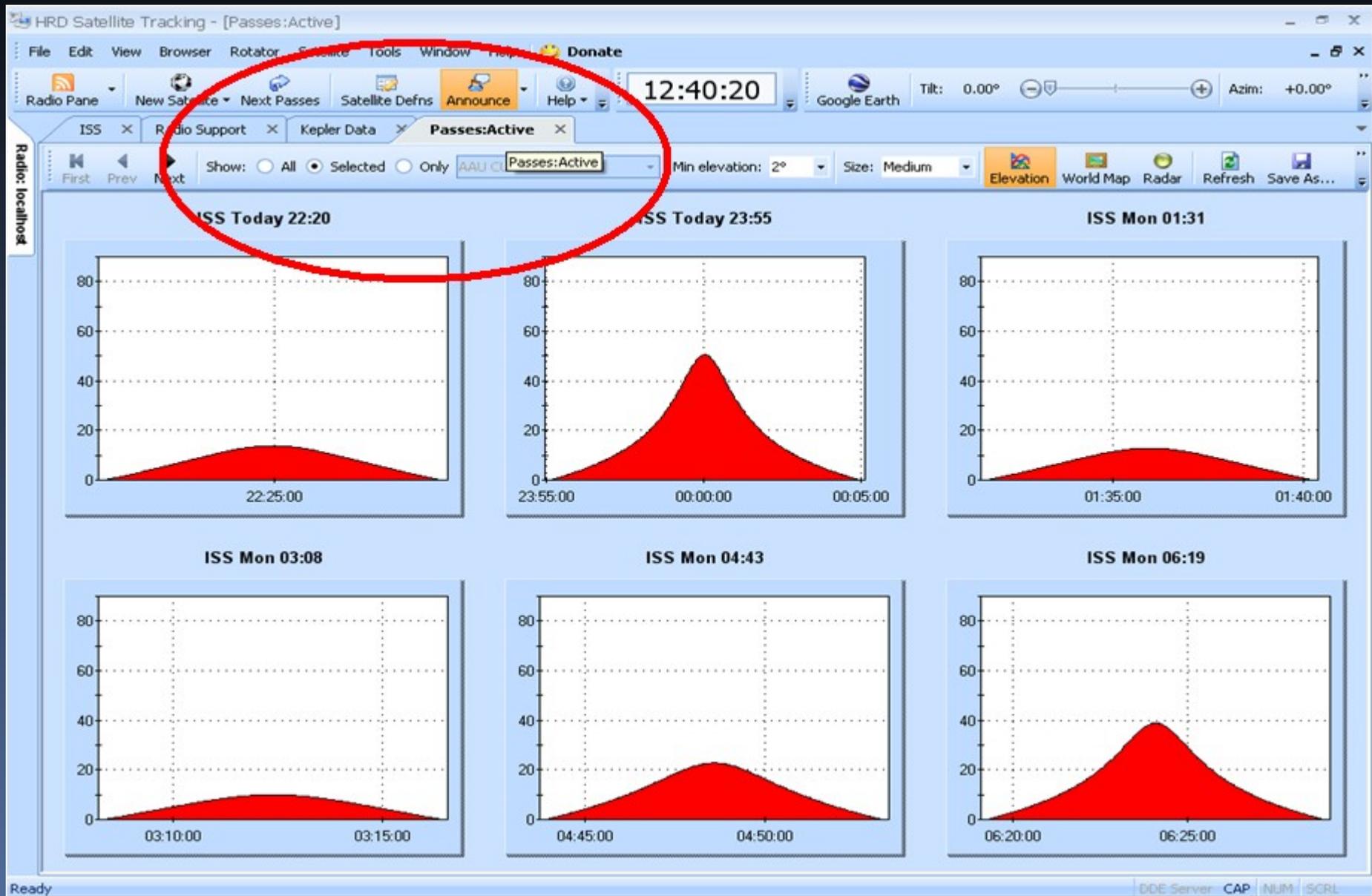
The screenshot displays the HRD Satellite Tracking application window. The title bar reads "HRD Satellite Tracking - [[TX/RX] AO-51]". The menu bar includes File, Edit, View, Browser, Rotator, Satellite, Tools, Window, Help, and a Donate button. The toolbar contains various icons for Radio Pane, New Satellite, Next Passes, Satellite Defns, Announce, Help, and Google Earth. The main interface is divided into several sections:

- Radio: localhost** sidebar on the left.
- Manual Tuning** section with an "Enable" checkbox.
- Satellite: AO-51** dropdown menu and **Track: 30 mins** dropdown.
- Frequency Table:**

Mode	Freq	Direction	Value
RX	VFO-A	DOWNLINK	435.150.000
TX	VFO-B	UPLINK	145.880.000
- Repeater/Split** section with "Undo" and "Freq" buttons.
- Sliders** for RX and TX signal levels.
- World Map** showing the satellite's path over the Americas.
- Next Passes** section with three graphs:
 - Sun 08:04:** Graph showing a signal strength peak of approximately 30 between 08:05:00 and 08:15:00.
 - Sun 09:43:** Graph showing a signal strength peak of approximately 35 between 09:45:00 and 09:55:00.
 - Sun 11:24:** Graph showing a very low signal strength peak near 0 between 11:25:00 and 11:30:00.

The Windows taskbar at the bottom shows the system is "Ready" and includes icons for HamRadioDeluxe, Mis documentos, HRD Satellite Tracking, HRD2.ppt - OpenOffice, and system tray icons for DDE Server, CAP, NUM, and SCRL. The system clock shows 23:33.

SELECCION PARA VER LOS PASES



EL ZOOM CON SU HUELLA

The screenshot shows the HRD Satellite Tracking application window. The title bar reads "HRD Satellite Tracking - [AO-51]". The menu bar includes File, Edit, View, Browser, Rotator, Satellite, Tools, Window, Help, and a Donate button. The toolbar contains icons for Radio Pane, New Satellite, Next Passes, Satellite Defns, Announce, and Help. A digital clock displays "13:06:06". On the right, "Google Earth" is selected, with "Tilt: 0.00°" and "Azim: +0.00°" indicators.

The main interface is divided into several sections:

- Radio: localhost** (vertical label on the left)
- Manual Tuning** section with an "Enable" checkbox.
- Frequency Display**:
 - RX VFO-A: 435.145.125
 - DOWNLINK: 435.150.000
 - TX VFO-B: 145.881.634
 - UPLINK: 145.880.000
- Satellite Information**: "Satellite: AO-51", "Track: 30 mins", "Center", "Zoom", "Show Tracks", "Next Passes", "Home Page", "Options".
- Zoom Menu** (open):
 - 100%
 - 150%
 - 200%
 - 300%
 - 400% (checked)
 - 600%
 - 800%
 - 1,000%
- Map**: A satellite map showing South America. A yellow diamond marker is placed over the continent, with a data popup:
 - AO-51 AOS: 04:11:29
 - Elv: -49.9°
 - Azm: 245.4°
 - Rng: 10,757.6 km
 - Alt: 812.0 km
 - Loc: EC51LL
- Compass**: A circular compass in the bottom left corner showing the satellite's position with "AO-51" and "AZ: 245.4° EL: -49.9°".

The Windows taskbar at the bottom shows "Ready", "wind", "Quincy", and system tray icons for "DDE Server", "CAP", "NUM", and "SCRL". The system tray also displays "Windows XP Professional" and "Versión de compilación 2600.xpsp_sp3_gdr.080814-1236 (Service Pack 3)".

MODOS DIGITALES CON DM180

Digital Master 780



Version 4.1 Beta build 1989

Copyright © 2005 - 2008 by Simon Brown, HB9DRV

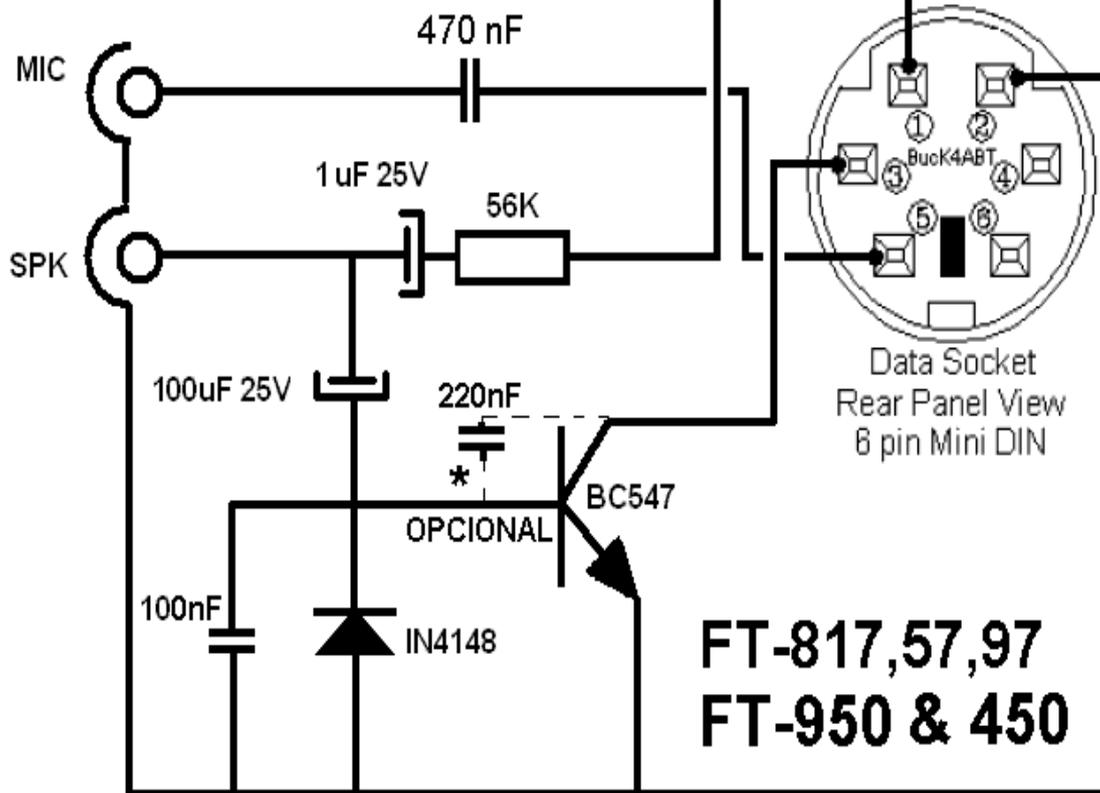
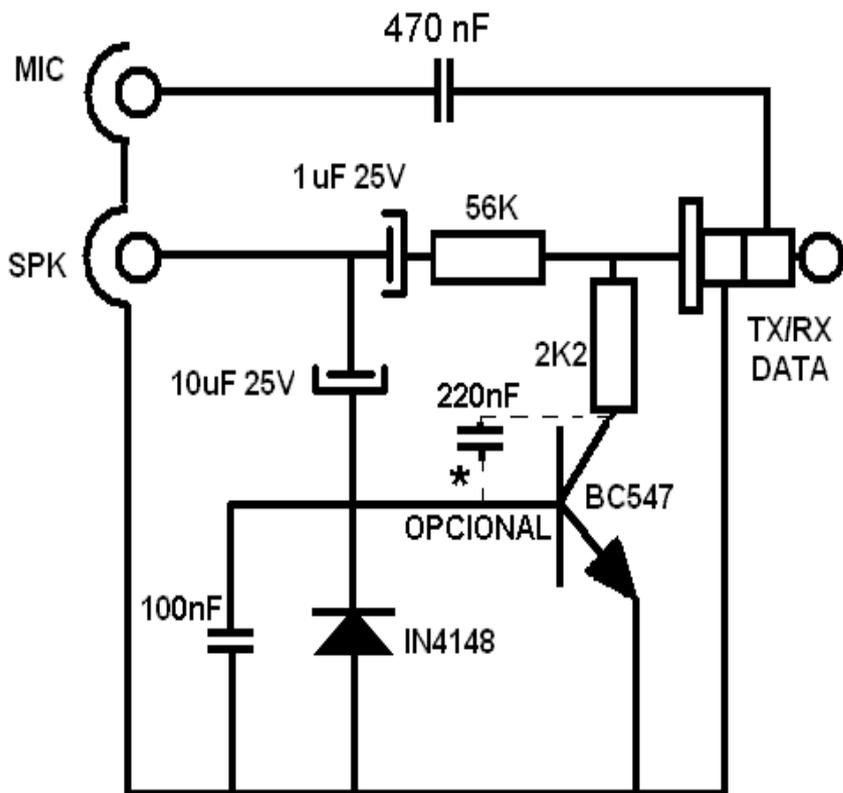
Credits

Dave Freese	Fldigi	W1HKJ
Hamish Moffatt	DominoEx	VK3SB
Johan Maes	QSSTV	ON4QZ
Moe Wheatley	PSKCore	AE4JY
Pavel Jalocha	Olivia,MT63	SP9VRC
Takuya Ooura	FFT Source	
Tomi Manninen	gMFSK	OH2BNS

Interface SB diseñado Para el curso de HRD B+B+B

INTERFACES PARA MODOS DIGITALES
JUAN GONGORA >>> EA4EWH

FT-847

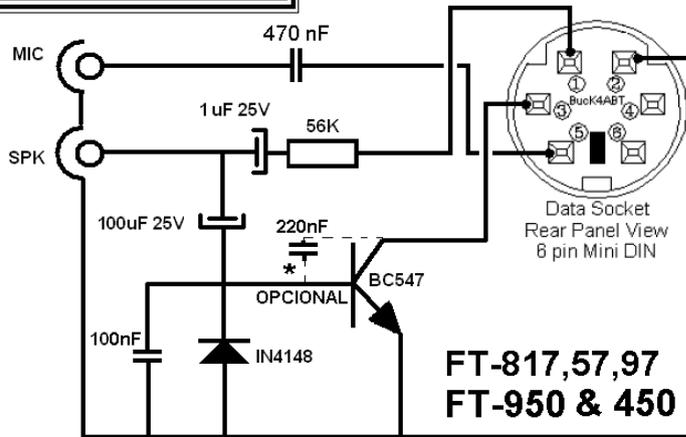
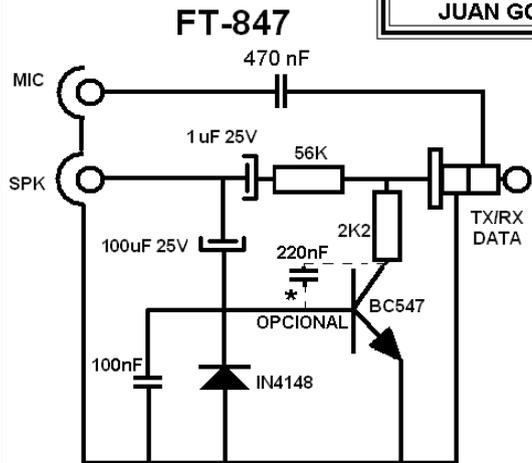


FT-817,57,97
FT-950 & 450

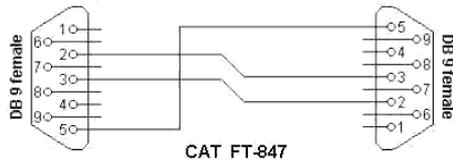
PROTOTIPO MONTADO EN PCB UNIVERSAL



**INTERFACES PARA MODOS DIGITALES
JUAN GONGORA >>> EA4EWH**

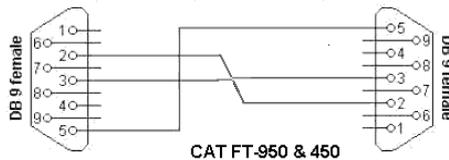


Simple null modem without handshaking



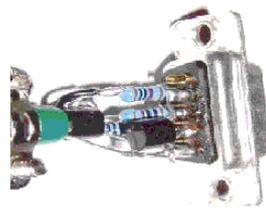
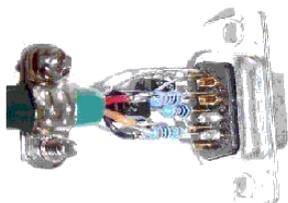
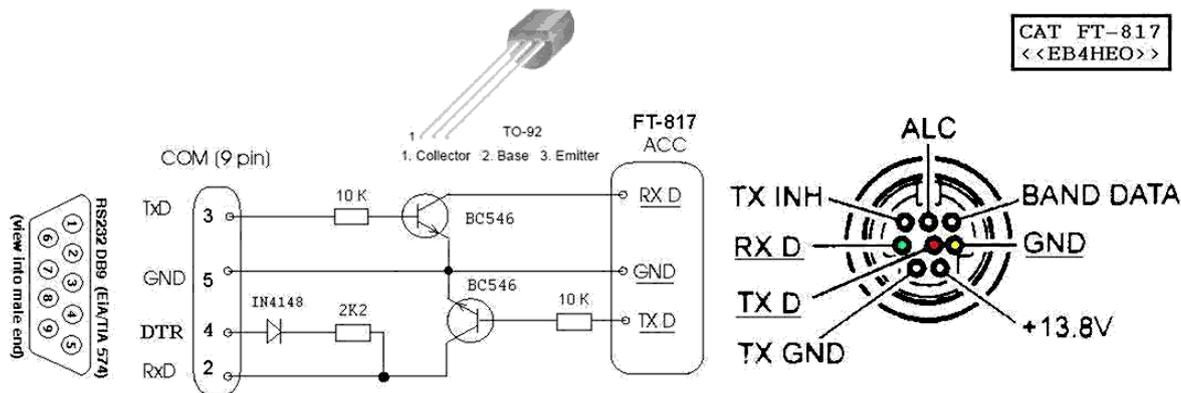
Connector 1	Connector 2	Function
2	3	Rx ← Tx
3	2	Tx → Rx
5	5	Signal ground

Simple null modem without handshaking



Connector 1	Connector 2	Function
3	3	Rx ← Rx
2	2	Tx → Tx
5	5	Signal ground

**CAT FT-817
<<EB4HEO>>**



EA4EWH

**INTERFACES
DE RADIOS**

ACTIVACION DE DM180

The screenshot displays the HamRadioDeluxe software interface. At the top, the title bar reads "HamRadioDeluxe - [FT-847]". The menu bar includes File, Edit, View, Bands, Favourites, Quick Save, Macros, Logbook, Scanning, Tuning, Tools, Voice, Window, and Help. The toolbar contains various icons for functions like Connect, Selection, Favourites, Screen, DX Cluster, Logbook, Satellites, SW Data, Sliders, Customise, Options, Forums, Undo, Redo, Add, Backup, Tune Up, Mapper, DM780, PSK31, Synch, Remote, Serial, Programs, Browser #1, Browser #2, Lookup, WinKey, Bandscope, Audio Grabber, Audio Browser, and Main Tabs. A tooltip for "Start Digital Master 780" is visible over the DM780 icon.

The main display area shows the current frequency as 144.700.000 in FM mode. On the left, a "Selection" panel lists parameters: CTCSS/DCS Match, Discriminator Center, Squeech, and TX. On the right, a control panel includes buttons for CTCSS, Mode: FM, SAT, Sat Rx: LSB, TX, Sat Tx: LSB, AM(N), Tone, FM(N), and Repeater. Below the frequency display, a power meter shows "S9+50".

The interface also displays the date "jueves, 19 de marzo de 2009", the band "160m - 10m (Region 1)", and the time "03:32:11". A "Fine" frequency scale is shown with a range from 144.550 to 144.750. Below this, a series of band filter buttons are visible: ALT, 160m, 80m, 60m, 40m, 30m, 20m, 17m, 15m, 12m, and 10m. The 160m band is currently selected.

At the bottom, the Windows taskbar shows the Start button and several open applications: Windows Live Hotmail, HamRadioDeluxe - [FT-847], and HRD2.ppt - OpenOffice. The system tray on the right shows the time as 3:32.

PANTALLA DE INICIO DM780

The screenshot displays the Digital Master 780 software interface. The main window is titled "Digital Master 780 - [RTTY]". The menu bar includes File, Edit, View, QSO, Browser, Logbook, SSTV, SuperBrowser, World Map, Tools, Window, Help, and a Donate button. The toolbar shows QSO, SuperBrowser, Radio, Soundcard, Waterfall, and Options. The status bar at the top right displays "03:38:40" and "144.700.000".

The main window is divided into several sections. On the left, there are vertical tabs for "Add Log Entry", "Macros", "Tags", and "Modes". The main area is titled "RTTY" and contains a text input field with the following text:
715
-
\$' SQMJHH
-
SRS
-
LTDS
-
V VX
-
RLFDZZLZLH

Below the text input field, there are buttons for "Send (F1)", "Auto (F2)", "Pause (F3)", and "Stop (F4)". There are also buttons for "Call CQ", "Reply", "Info", "Closing", and "Macros".

A "Waterfall" display is visible at the bottom of the main window, showing a frequency spectrum from 100 to 2900 kHz. The display shows a prominent signal at approximately 1500 kHz.

An "About Digital Master 780" dialog box is open in the center of the screen. It features a photo of a man with a beard and sunglasses. The text in the dialog box reads:
About Digital Master 780

Digital Master 780 v4.1 Beta build 1989

Ham Radio Deluxe
Compiled Oct 6 2008 at 06:28:37
Copyright © 2005 - 2008 by Simon Brown, HB9DRV

support: <http://forums.ham-radio.ch>
website: <http://www.ham-radio-deluxe.com>
callsigns: <http://www.qrz.com>
Interfaces: <http://www.g4zlp.co.uk>

OK

The Windows taskbar at the bottom shows the following open applications: Windows Live Hotmail..., HamRadioDeluxe - [FT..., HRD2.ppt - OpenOffic..., and Digital Master 780. The system tray on the right shows the time as 3:38.

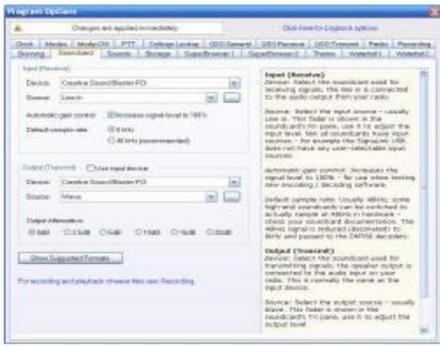
HELP GETTING STARTER

Getting Started

1-2-3-4-GO

This help text is displayed because you do not have a callsign defined in your tags window - see step (4) below.

(1) Soundcard



Click here to select your soundcard or press F8 to display the *Program Options* (or select *Program Options* from the *Tools* menu) and select the *Soundcard* page.

(2) Radio Interface

CONFIGURACION BASICA TAGS

The screenshot displays the Digital Master 780 software interface. The main window is titled "Digital Master 780 - [BPSK-31]". The menu bar includes File, Edit, View, QSO, Browser, Logbook, SSTV, SuperBrowser, World Map, Tools, Window, Help, and a Donate button. The status bar shows the time 03:53:53 and the frequency 14.071.000. The SuperBrowser window is active, showing a list of tags for the BPSK-31 mode. The "About Me" section includes fields for Callsign (EA4EWH), Name (JUAN GONGORA), Age (48), Locator (IN80FK), QTH (MAD <<SPAIN>), E-Mail, HomePage, and Clubs (URE & RCH). The "My Equipment" section includes Radio (FT-847), Antenna (END-FED), Power (100 W), Computer (PUNDIT), Interface (SB), and Accessories. The "Other" section includes Temperature, Weather, and Other1. The main text area shows a QSO log entry: "you very much for the QSO.pFd -A em SL only e belt and hope to peet you another time. K DR FRIEND Werner AND BYEe IO.Tnx again for nice kontakt.73 good DXs.. bye bye CU7AJ de DG1BVK SK". The Waterfall display at the bottom shows a frequency spectrum from 100 to 2900 kHz, with a 20m band selected. The Windows taskbar at the bottom shows several open applications: Windows Live Ho..., HamRadioDeluxe..., HRD2.ppt - Open..., Digital Master 78..., and ANGEL <eb4aeu...>.

Section	Field	Value
About Me	Callsign	EA4EWH
	Name	JUAN GONGORA
	Age	48
	Locator	IN80FK
	QTH	MAD <<SPAIN>
	E-Mail	
	HomePage	
My Equipment	Radio	FT-847
	Antenna	END-FED
	Power	100 W
	Computer	PUNDIT
	Interface	SB
	Accessories	
Other	Temperature	
	Weather	
	Other1	

CONFIGURAR MACROS

The screenshot displays the Digital Master 780 software interface. The main window shows a text editor with the following content:

```
= RST: 599 599 =  
= QTH: HORTA HORTA AZORES AZORES PORTUGAL =  
= NAME: MARIw MAR nr , eU mZaneay  
-  
18QN >>>BTU YU1FW DE CU7AJ Keltn Q  
-  
t  
-  
i At e@ta h  
-  
t  
-  
.eaitet  
s =h i s
```

The interface includes a menu bar (File, Edit, View, QSO, Browser, Logbook, SSTV, SuperBrowser, World Map, Tools, Window, Help), a toolbar with various icons, and a status bar showing the time (04:02:33) and frequency (14.071.000). A vertical sidebar on the left contains options like 'Add Log Entry', 'Macros', 'Tags', and 'Modes'. A 'Macros' dropdown menu is open, listing options: Default (checked), PSK Contest, Set 3, Set 4, Set 5, Set 6, Set 7, Set 8, Set 9, Set 10, Buttons, Popups (checked), and Manager. A 'Macros Manager' tooltip is visible over the 'Manager' option. The bottom of the screen shows a Windows taskbar with several open applications.

PANTALLA DE MACROS

Macros Manager

New Copy Edit Delete Up Down Import Set Title Defaults Load Save As

Call CQ Reply Info Closing Macros

Enable	Group	Title	Short	Modes	Definition
<input checked="" type="checkbox"/>	Call CQ	CQ x 2	CQ x 2	*	CQ CQ de <my:callsign> <my:callsign>\nCQ CQ de <my:callsign> <my:callsign>\nPSE K <stop>
<input checked="" type="checkbox"/>	Call CQ	CQ x 3	CQ	*	CQ CQ de <my:callsign> <my:callsign>\nCQ CQ de <my:callsign> <my:callsign>\nCQ CQ de <my:ca
<input checked="" type="checkbox"/>	Call CQ	QRZ	QRZ	*	QRZ QRZ QRZ de <my:callsign> <my:callsign> <my:callsign> pse k <stop>
<input checked="" type="checkbox"/>	Reply	Him de Me	Him de Me	*	<his:callsign> de <my:callsign>
<input checked="" type="checkbox"/>	Reply	Him de Me Pse K	Him de Me - K	*	<his:callsign> de <my:callsign> <my:callsign> pse kn <stop>
<input checked="" type="checkbox"/>	Reply	Report, Name, QTH	RST, Name, QTH	*	<his:callsign> de <my:callsign> \n\nHi <his:name>,\nReport : <his:send> <his:send>\nName : <my:r
<input checked="" type="checkbox"/>	Reply	Station	Station	*	<his:callsign> de <my:callsign> \n\n<his:name> , my station\n Radio : <my:radio> , <my:power> , <n
<input checked="" type="checkbox"/>	Info	MFSK Picture	MFSK Pic	*	Here is a picture <send-pic>I do hope you like it!
<input type="checkbox"/>	Info	Logbook Statistics	Log Stats	*	<add-log> you are <qso-mode> QSO # <qso-mode-count> in my logbook.
<input type="checkbox"/>	Info	WX	WX	*	Weather here is <my:weather> temp is <my:temperature>
<input checked="" type="checkbox"/>	Closing	BTU	BTU	*	So BTU <his:name> , <his:callsign> de <my:callsign> k <stop>
<input checked="" type="checkbox"/>	Closing	73	73	*	<his:callsign> de <my:callsign> <add-log> 73 <his:name> and thanks for <qso-mode> QSO <qso-moc
<input checked="" type="checkbox"/>	Closing	73 (long)	73	*	<his:callsign> de <my:callsign> 73 <his:name> and thanks for this <my:mode> QSO on <his:band> , g
<input type="checkbox"/>	Closing	73 (Xmas)	73 (Xmas)	*	<his:callsign> de <my:callsign> 73 and thanks for this <my:mode> QSO on <his:band>.\nHappy Chri
<input checked="" type="checkbox"/>	Closing	73 (video)	73	*	<ident:73><his:callsign> de <my:callsign> 73 <his:name> and thanks for this <my:mode> QSO on <H
<input type="checkbox"/>	Various	Testing	Testing	*	Testing Testing Testing de <my:callsign> <my:callsign> <my:callsign>\nTesting Testing Testing de <

Macro set: Default
 PSK Contest
 Set 3
 Set 4
 Set 5
 Set 6
 Set 7
 Set 8
 Set 9
 Set 10

Options

Send his first name only (his:name)

Show 'Send Immediately' toolbar icon

Show 'Erase TX Window' toolbar icon

Show 'Radio Control' toolbar icon

Show by group

Show macro set title

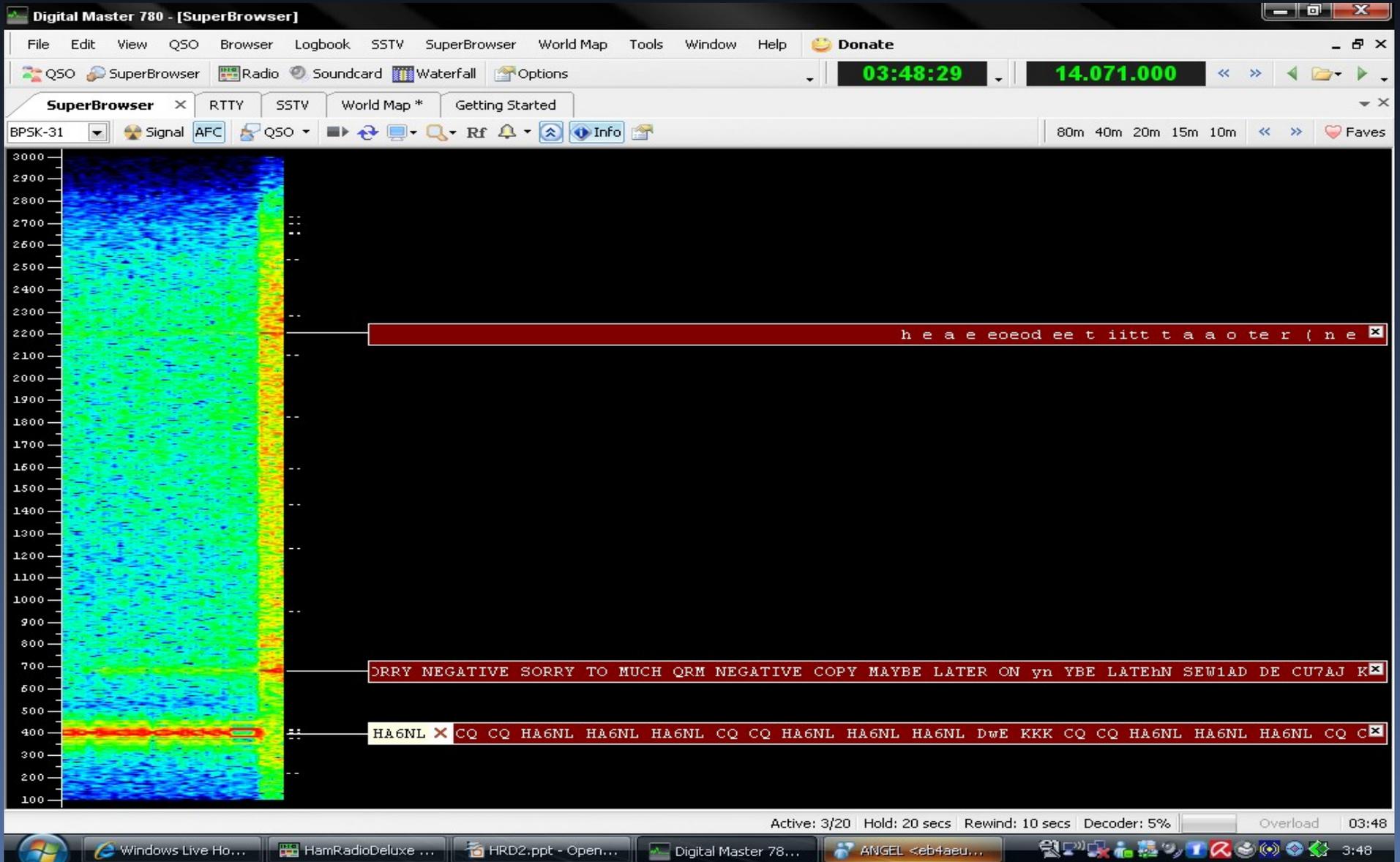
Toolbar style: Buttons Popups

OK Cancel

ACTIVACION DE SUPER BROWSER

The screenshot displays the 'Digital Master 780 - [SuperBrowser]' application window. The interface includes a menu bar (File, Edit, View, QSO, Browser, Logbook, SSTV, SuperBrowser, World Map, Tools, Window, Help, Donate), a toolbar with various icons, and a main display area. The main display area shows a waterfall plot with a vertical axis ranging from 100 to 3000. A text message is visible in the plot area: `> = HELLO DR FRIEND TKS FOR CALL = = RST: 599 599 = = QTH: HORTA HORTA AZORES AZORES PORTUGA`. The bottom status bar shows 'Active: 1/20 | Hold: 20 secs | Rewind: 10 secs | Decoder: 5% | Overload | 03:45'. The Windows taskbar at the bottom shows several open applications, including 'Windows Live Ho...', 'HamRadioDeluxe ...', 'HRD2.ppt - Open...', 'Digital Master 78...', and 'ANGEL <eb4aeu...'. The system clock in the bottom right corner shows '3:45'.

VARIOS QSOS EN BPSK



SELECCION AUTOMATICA DE FRECUENCIA según BANDA Y MODO

The screenshot displays the Digital Master 780 software interface. The main window is titled "Digital Master 780 - [BPSK-31]". The menu bar includes File, Edit, View, QSO, Browser, Logbook, SSTV, SuperBrowser, World Map, Tools, Window, Help, and a Donate button. The toolbar shows QSO, SuperBrowser, Radio, Soundcard, Waterfall, and Options. The status bar at the top right displays "04:04:40" and "14.071.000".

The SuperBrowser window is active, showing a BPSK-31 session. The text area contains the following content:

```
= QTH: HORTA HORTA AZORES AZORES PORTUGAL =  
  
= NAME: MARIw MAR nr , eU mZaneay  
-  
18QN >>>BTU YU1FW DE CU7AJ Keltn Q  
-  
t  
-  
i At e0ta h  
-  
t  
-  
.eaitet  
s =h i s  
-  
2no t
```

Below the text area is a control bar with buttons for Send (F1), Auto (F2), Pause (F3), Stop (F4), Repeat, and a Macros dropdown. At the bottom of the SuperBrowser window, it says "Enter text to be sent" and "690 Hz | IMD: | S/N: 0dB".

The Waterfall window is also visible, showing a frequency spectrum from 100 to 2900 kHz. The current frequency is 14.070 MHz, with a 20m bandwidth selected. The waterfall display shows a dense signal at the current frequency.

The Windows taskbar at the bottom shows several open applications: Windows Live HomeGroup, HamRadioDeluxe, HRD2.ppt - Open..., Digital Master 780, and ANGEL <eb4aeu... The system clock shows 4:04.

FUNCIONES ESPECIALES DISPLAY FRECUENCIA Y TUNE EN BOTON DE OPCIONES DEL WATERFALL

Digital Master 780 - [BPSK-31]

File Edit View QSO Browser Logbook SSTV SuperBrowser World Map Tools Window Help Donate

QSO SuperBrowser Radio Soundcard Waterfall HRD Logbook Program Options Full Screen **19:54:07**

SuperBrowser **BPSK-31** SSTV World Map* SSTV Help Getting Started

FT-847 Soundcard Add Log Entry Macros Tags Modes

*** RU1A
HELLO! H
ME : Krz
QTP : Ch
CC: 3et
C
-
bt pse
-
e tom

Send (F1)
CQ x 2

Enter text to be se

Waterfall
Zoom: ◀ x1 ▶

100 300

2900

Ready CPU: 19% Audio: 60% Overload HRD Logbook: Not Connected OVR CAP NUM SCRL 19:54

HamRadioDel... Digital Maste... Mis documentos HRD2.ppt - O... 5% BitDefen...

19:54

Program Options

Appearance
Callsign (My Info)
Clock
Logbook
Modes
PTT
Radio
QSO
Soundcard
Sounds
Storage
SuperBrowser
Waterfall
Alarms...
Favourites...
Macros...
Modes...
Navigator...
Audio Recorder...
PSK Reporter...
Soundcard Calibration...
Time Synchronisation...

Getting Started

Center Marker, Other **General** Colours

Center Frequency Marker

Enable center frequency marker
(radio connection required)

1000 2000
 1500

Radio Macros

Show radio control macros: Buttons Popups

Various

Erase when changing frequency
 Only update if visible (less CPU)
 Show radio frequency toolbar
 Show soundcard in window title

Tuning

Guides: Channels (M, A, B)
 Mouse
 Tuning indicator

Center Frequency Marker
Define up to three center frequencies, normally set to the center of a narrow filter. When enabled a [C] button is displayed in the waterfall toolbar - pressing this button adjusts the radio DM780 channel frequencies so that the DM780 channel is in the center of the narrow filter.

You must also define a Radio macro button to enable the narrow filter - or select the filter from the radio pane in DM780 or from your radio's front panel.

Radio Macros
It is normally convenient to display special radio macro buttons in the waterfall toolbar. Typically radio macros are used to enable narrow or wide filters.

Various
Erase when changing frequency - erase the waterfall when the radio frequency changes.
Only update if visible - only updates the waterfall if visible - saves CPU cycles on computers with less-powerful graphics.
Show radio frequency toolbar - shows the current radio frequency in the waterfall toolbar.
Show soundcard in window title - shows the name of the current soundcard selection in the waterfall title bar.

VISTA DE FRECUENCIA Y TUNE EN LA BARRA DEL WATERFALL

The screenshot displays the Digital Master 780 software interface. The main window is titled "Digital Master 780 - [BPSK-31]". The menu bar includes File, Edit, View, QSO, Browser, Logbook, SSTV, SuperBrowser, World Map, Tools, Window, Help, and a Donate button. The toolbar contains icons for QSO, SuperBrowser, Radio, Soundcard, Waterfall, HRD, Logbook, Program Options, and Full Screen. A digital clock shows 19:42:54. The interface is divided into several sections:

- SuperBrowser:** Shows the current mode as BPSK-31 and a frequency slider set to 7 MHz. A text area contains the message: "CQ CQ Stateside... CQ Stateside. looking for LOTW users Stateside Please a BE GØDBE pse k>>>". Below this, a macro is defined: "*** RU1AP de SP3SLK *** HELLO! Hi. DR OM VADIM R".
- Waterfall:** A spectral display showing frequency (100-2900 kHz) over time. A vertical line indicates the current frequency, which is 14.070.000 MHz, highlighted in green. A red pushpin is placed over this frequency value. The waterfall shows a dense signal around 14.070 MHz.
- Frequency Bar:** A horizontal bar at the bottom of the waterfall view showing the current frequency and various controls like Zoom, Tune, Signal, and Faves.

The Windows taskbar at the bottom shows the system is ready, with CPU usage at 21% and audio at 49%. The taskbar also displays the current time as 19:42.

CON EL BOTON DERECHO SELECCIONAMOS CALLSIGN CON ESTO EL INDICATIVO SE INCORPORA A LAS MACROS Y AL FINALIZAR EL QSO SE INCORPORA AL LOGBOOK

The screenshot displays the Digital Master 780 software interface. The main window shows a QSO in progress with the call sign BPSK-31. The interface includes a menu bar (File, Edit, View, QSO, Browser, Logbook, SSTV, SuperBrowser, World Map, Tools, Window, Help), a toolbar with various icons, and a status bar at the top showing the time 23:29:14 and frequency 14.070.000. The main display area shows the QSO log with the following text:

```
23:28:30> Main
PTT .....: None
Input ...: Avance AC97 Audio
          Aux
Output ...: Avance AC97 Audio
          3D Depth

23:28:30> Main

a5BBO YO5BBO YO5BBO EU PSK r roán!
```

A right-click context menu is open over the text "YO5BBO", showing the following options:

- Send (F1)
- Auto (F2)
- YO5BBO Not Worked
- DXCC Romania (Not worked)
- DXCC 20M: Not worked

The "Info" tab in the macro menu is selected, showing the following options:

- 1) CQ x 2
- 2) CQ x 3
- 3) QRZ
- 4) Him de Me
- 5) Him de Me Pse K
- 6) Report, Name, QTH
- 7) Station

The "Waterfall" window at the bottom shows a frequency spectrum plot with a scale from 100 to 2900 kHz. The browser window at the bottom shows the URL "Browser: QRZ.COM Callsign YO5BBO". The system tray at the bottom shows the taskbar with several open applications and system icons.

SI SELECCIONAMOS QRZ CON EL BOTO DERECHO EN UN INDICATIVO NOS APARECE LA PAGINA CON INFORMACION DE NUESTRO POSIBLE CORRESPONSAL

The screenshot displays the Digital Master 780 software interface. The main window shows a text log with the following content:

```
23:28:30> Main  
  
a5BBO YO5BBO YO5BBO EU PSK r roán  
-  
--e  
?hL O e u e t e  
-  
t o o t c e h e e i t t  
-  
e w c t i t e t t o t (o
```

Below the log, a browser window is open to the QRZ.COM profile for YO5BBO. The profile page includes:

- QRZ.COM logo and navigation bar.
- Search bar with "QRZ 2.0" and a "Login" button.
- Advertisement for GigaParts Icom IC-V8000 (\$197.10) and Copper Ground Strap.
- Profile for YO5BBO (Romania) by Horatiu E. Gheorghe, located at P.O. BOX 280, 410610 ORADEA 1, ROMANIA.
- Statistics: Lookups: 14911, QRZ Member.
- Email: Login required to view.
- Link: Click for more detail...
- Profile picture of a man sitting at a desk with a radio setup.

The Windows taskbar at the bottom shows the system tray with CPU (18%), Audio (62%), and various system icons. The taskbar includes icons for HRD, HRD2.ppt, HRD Label, HamRadioDel..., Digital Master..., and Dibujo - Paint.

EJEMPLO BPSK

The screenshot shows the Digital Master 780 software interface. The main window is titled "Digital Master 780 - [BPSK-31]". The menu bar includes File, Edit, View, QSO, Browser, Logbook, SSTV, SuperBrowser, World Map, Tools, Window, Help, and a Donate button. The status bar shows a timer at 03:51:50 and a frequency of 14.071.000. The SuperBrowser window is active, displaying a chat window for BPSK-31. The chat text is as follows:

```
DG1BVK pse K 😊  
<<< DG1BVK DG1BVK DE CU7AJ CU7AJ >>>  
  
= HELLO DR FRIEND Werner TKS FOR CALL =  
  
= RST: 599 599 =  
  
= QTH: HORTA HORTA AZORES AZORES PORTUGAL =  
  
= NAME: MARIO MARIO =  
  
= EPC # 6062 EU AZ07 IOTA EU-175 EU 14 =  
  
= LOC: HM58QN [272.6° 2,157.3km] HM58QN >>>  
BTU DG1BVK DE CU7AJ K
```

Below the chat window is a control bar with buttons for Send (F1), Auto (F2), Pause (F3), Stop (F4), Repeat, and a Macros dropdown menu. At the bottom of the chat window, there is a text input field labeled "Enter text to be sent" and a status bar showing "677 Hz | IMD: | S/N: 0dB".

The Waterfall window is also visible, showing a frequency spectrum from 100 to 2900 kHz. The waterfall display shows a strong signal at approximately 700 kHz, with a color scale from blue (low power) to red (high power). The waterfall window has a toolbar with buttons for Display, Center, RB, and various zoom and navigation controls.

The Windows taskbar at the bottom shows several open applications: Windows Live HomeGroup, HamRadioDeluxe, HRD2.ppt - Open..., Digital Master 780, and ANGEL <eb4aeu... The system clock shows 3:51.

EJEMPLO EN RTTY

The screenshot displays the Digital Master 780 software interface. The main window is titled "Digital Master 780 - [RTTY]". The menu bar includes File, Edit, View, QSO, Browser, Logbook, SSTV, SuperBrowser, World Map, Tools, Window, Help, and a Donate button. The status bar shows the time 07:47:39 and the frequency 14.080.000. The SuperBrowser window is active, showing the RTTY mode. The interface includes a toolbar with buttons for Reverse, Defaults, Baud (45.45), Shift (170 Hz), Bits (5), Stop (1.5), UoS, and LtoF. The main text area displays the following RTTY message:

```
7:47:01> Main  
NIENQSO RTTY, HY QSL CARD SURE 10/1) #  
  
(;- ?  
63"7 94$84:@INO WW, QRZ.COM, GOOD DX AND  
  
BET 73 73 OS CIAO DAG OM  
  
OUUYS7: 3
```

Below the text area is a control bar with buttons for Send (F1), Auto (F2), Pause (F3), Stop (F4), Repeat, and other functions. The bottom of the interface features a Waterfall display showing a spectrum plot with a frequency axis from 100 to 2900 kHz. The plot shows a dense band of activity around 2224 Hz. The Windows taskbar at the bottom shows several open applications, including News - Windows..., http://shortwav..., HamRadioDeluxe..., HRD2.ppt - Ope..., and Digital Master 78...

Ham Radio Deluxe ahora con función SSTV Estación Espacial 12 septiembre 2008

Simón HB9DRV acaba de añadir nuevas funciones a su flamante programa gratuito y planea incluir el modo Robot 36 que es el que usara la estación espacial en SSTV

Las ultimas versiones beta pueden bajarse
en:

<http://www.ham-radio-deluxe.com/Download>

Ham Radio Deluxe,web principal:

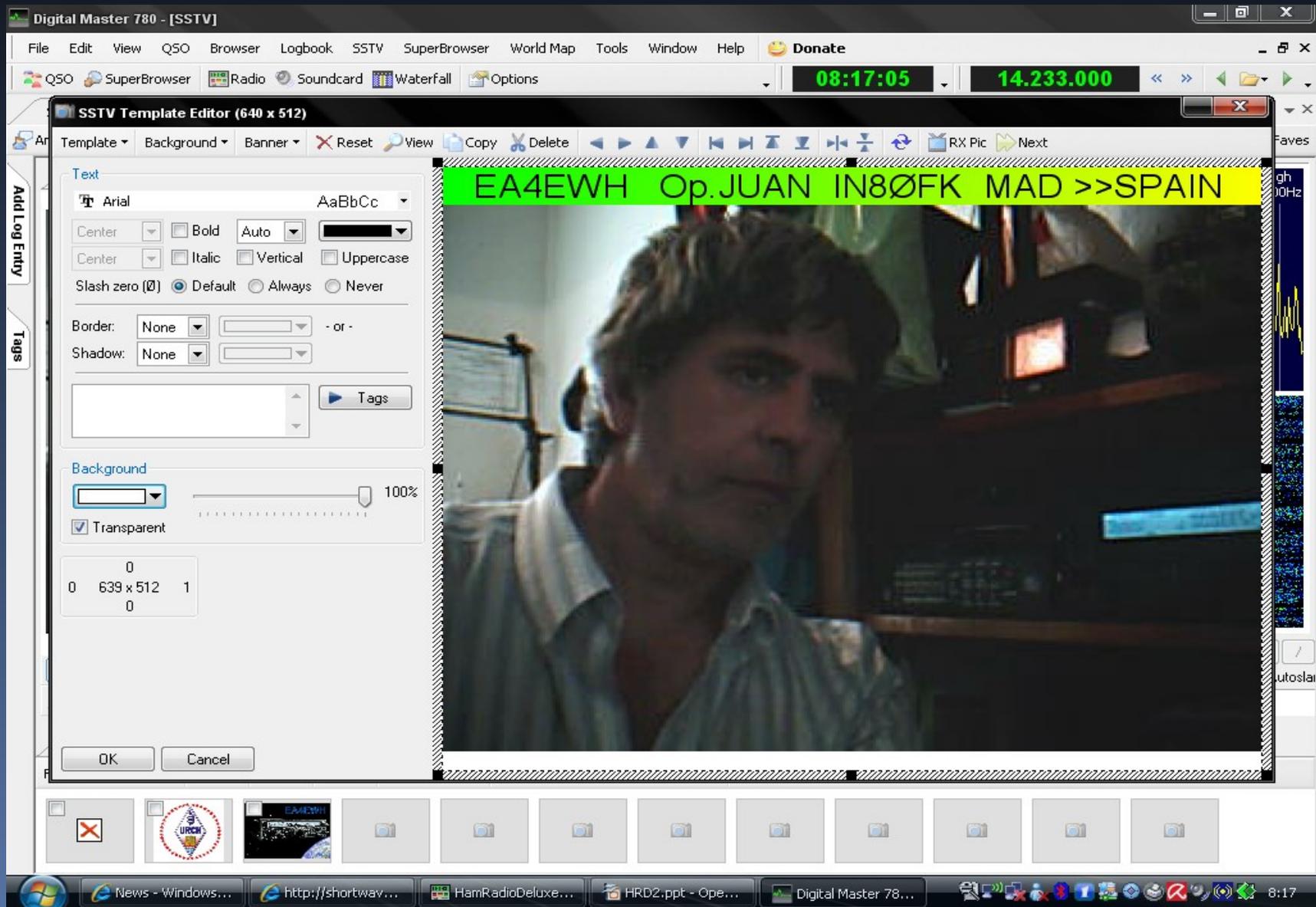
<http://www.ham-radio-deluxe.com/>

Y recuerda que se espera actividad de S S TV desde la I S S desde octubre 2008.

ACTIVACION WEBCAM

The screenshot displays the 'Digital Master 780 - [SSTV]' software interface. The main window is titled 'Webcam' and features a central video feed showing a man in a striped shirt. To the right of the video feed are two vertical panels: 'Receive' and 'Transmit'. The 'Receive' panel lists various call signs, with 'None' selected. The 'Transmit' panel shows 'Martin 2' selected in a dropdown menu, with a checked 'Same as RX' option. Below these panels is a 'Signal' section with four checkboxes and a 'Noise' section with a vertical slider. On the far right, there is a waterfall plot with a yellow signal trace and a blue/cyan background. The top of the window shows a menu bar (File, Edit, View, QSO, Browser, Logbook, SSTV, SuperBrowser, World Map, Tools, Window, Help) and a status bar with a timer '08:22:28' and a frequency '14.233.000'. The bottom of the window shows a taskbar with various icons and a system tray with the time '8:22'.

EDITOR DE IMAGEN SSTV



TRANSMISION DE IMAGEN SSTV

The screenshot displays the 'Digital Master 780 - [SSTV]' software interface. The main window features a menu bar (File, Edit, View, QSO, Browser, Logbook, SSTV, SuperBrowser, World Map, Tools, Window, Help) and a toolbar with various icons. The status bar at the top shows the time '08:20:13' and the frequency '14.233.000'. The interface is divided into several sections:

- Receive Section:** A large video window shows a person wearing a headset. Above the video, a yellow banner displays the call sign and name: 'EA4EWH Op. JUAN IN8ØFK MAD >> SPAIN'. To the right of the video is a 'Receive' list with options: None, Martin 1, Martin 2, Scottie 1, Scottie 2, Scottie DX, Robot 36, P3, P5, and P7.
- Transmit Section:** A 'Transmit *' dropdown menu is set to 'Martin 2', with a checked option for 'Same as RX'. Below this is a 'Signal' section with four colored buttons (red, blue, light blue, grey) and a 'Noise' section with several horizontal sliders.
- Waterfall Plot:** A spectral display on the right side shows frequency components. The top part is a line graph with 'Sync Low Medium High' markers at 1200Hz, 500Hz, 1900Hz, and 2300Hz. The bottom part is a color-coded waterfall plot.
- Control Panel:** At the bottom, there are buttons for 'On', 'FTP', 'AFC', 'TX: Edit', and 'TX'. Below these are 'Autostop', 'Reset', and 'Horz Sync' controls.
- Image Management:** A 'TX: Background Images' section includes buttons for 'Saved Images', 'Logfile', and 'Trace: Sync Detect'. A file browser at the bottom shows a list of image files, including one with the call sign 'EA4EWH'.

The Windows taskbar at the bottom shows several open applications: 'News - Windows...', 'http://shortwav...', 'HamRadioDeluxe...', 'HRD2.ppt - Ope...', and 'Digital Master 78...'. The system clock indicates the time is 8:20.

EJEMPLO RX SSTV

The screenshot displays the Digital Master 780 software interface for SSTV reception. The main window shows a received image of a QSO (Call Sign) with the text "CQ SSTV" and "OK1MRM". The interface includes a menu bar (File, Edit, View, QSO, Browser, Logbook, SSTV, SuperBrowser, World Map, Tools, Window, Help), a toolbar with various functions, and a status bar showing the time (08:00:51) and a counter (14.233.000). The main display area is divided into several sections: a large image of the received QSO, a "Receive" list showing the call sign "None" and other options, a "Transmit" section with a dropdown menu set to "Martin 2" and a "Same as RX" checkbox, and a "Signal" section with a "Noise" indicator. The bottom of the interface features a "Saved Images" section with a list of received images, a "TX: Background Images" section, and a "Logfile" section. The Windows taskbar at the bottom shows the system tray with the time 8:00 and several open applications.

EL ZOOM MUY IMPORTANTE EN SSTV

The screenshot displays the Digital Master 780 - [SSTV] software interface. The main window shows a received SSTV image of a satellite with call signs EA4EW and ØFK SPAIN. A zoom menu is open over the image, showing options from 100% (320x256) to 300%. The interface includes a menu bar (File, Edit, View, QSO, Browser, Logbook, SSTV, SuperBrowser, World Map, Tools, Window, Help), a toolbar with icons for QSO, SuperBrowser, Radio, Soundcard, Waterfall, HRD, Logbook, and Program Options, and a status bar at the bottom showing system information like CPU usage (20%), Audio (55%), and various system icons. The right side of the interface features a 'Receive' and 'Transmit' control panel, a 'Signal' section, and a waterfall display with frequency markers for Sync (1200Hz), Low (1500Hz), Medium (1900Hz), and High (2300Hz).

EFECTO DEL ZOM A 100%

The screenshot displays the 'Digital Master 780 - [SSTV]' software interface. The top menu bar includes File, Edit, View, QSO, Browser, Logbook, SSTV, SuperBrowser, World Map, Tools, Window, Help, and a Donate button. The toolbar contains icons for QSO, SuperBrowser, Radio, Soundcard, Waterfall, HRD, Logbook, Program Options, and Full Screen. A digital clock shows 20:11:43. The main window is divided into several sections:

- Receive/Transmit/Webcam:** The 'Transmit' tab is active, showing a large circular SSTV image with the call sign 'EA4EWH SSTV MAD IN8ØFK SPAIN' at the top. Below the image are 'Edit' and 'FTP' buttons, and a 'TX' button.
- Receive List:** A list of receive options including 'None', 'Martin 1', 'Martin 2', 'Scottie 1', 'Scottie 2', 'Scottie DX', 'Robot 36', 'P3', 'P5', and 'P7'. 'None' is selected.
- Transmit Settings:** The 'Robot 36' preset is selected. A checked box 'Same as RX' is present. Below, there are 'Signal' and 'Noise' indicators.
- Waterfall/Spectrogram:** A spectrogram on the right shows signal activity across frequency bands: Sync (1200Hz), Low (1500Hz), Medium (1900Hz), and High (2300Hz). The spectrogram shows vertical lines of signal activity.
- TX: Background Images:** A file browser window is open, showing a folder structure with 'Images', 'Received', 'Template', and 'XML' subfolders. The 'Images' folder is expanded, showing various background images for transmission.

The bottom status bar shows 'Ready', 'CPU: 19%', 'Audio: 55%', and 'Overload'. The taskbar at the very bottom shows the Windows Start button and several open applications: 'HamRadioDeluxe - [FT...', 'Digital Master 780 - [S...', and 'Mis documentos'. The system tray on the right shows various icons and the time '20:11'.

PRUEBA DE TRASMISION DE EA4EWH MANDADA POR TOMAS EA4AAZ A MI

EA4EWH



de EA4AAZ

TRANSMISION DE TOMAS EA4AAZ REENVIADA A TOMAS POR MI EA4EWH



World Map locator

The screenshot displays the 'Digital Master 780 - [World Map]' application window. The interface includes a menu bar (File, Edit, View, QSO, Browser, Logbook, SSTV, SuperBrowser, World Map, Tools, Window, Help) and a toolbar with various radio-related icons. A status bar at the top right shows the time '08:31:21' and a numerical value '14.230.000'. The main window features a 'World Map' tab and a grid overlay on a satellite-style world map. The grid is labeled with two-letter codes (e.g., AR, BR, CR, DR, ER, FR, GR, HR, IR, JR, KR, LR, MR, NR, OR, PR, QR, RR) in a 18x18 grid. The grid lines are spaced every 20 degrees of longitude and latitude. The application is running on a Windows operating system, as indicated by the taskbar at the bottom, which shows several open programs: News - Windows..., http://shortwav..., HamRadioDeluxe..., HRD2.ppt - Ope..., and Digital Master 78... The system clock in the bottom right corner shows 8:31.

ZOOM World Map locator

The screenshot displays the 'Digital Master 780 - [World Map]' application window. The interface includes a menu bar (File, Edit, View, QSO, Browser, Logbook, SSTV, SuperBrowser, World Map, Tools, Window, Help) and a toolbar with various icons. The main window shows a zoomed-in world map of Europe with a grid overlay. The grid consists of 10 columns and 10 rows of cells, each containing a two-digit number. The map shows the continent of Europe with a grid overlay. The software interface includes a menu bar, a toolbar, and a taskbar at the bottom.

5	35	45	55	65	75	85	95	05	15	25	35
4	34	44	54	64	74	84	94	04	14	24	34
3	33	43	53	63	73	83	93	03	13	23	33
2	32	42	52	62	72	82	92	02	12	22	32
1	31	41	51	61	71	81	91	01	11	21	31
0	30	40	50	60	70	80	90	00	10	20	30
9	39	49	59	69	79	89	99	09	19	29	39
8	38	48	58	68	78	88	98	08	18	28	38
7	37	47	57	67	77	87	97	07	17	27	37
6	36	46	56	66	76	86	96	06	16	26	36
5	35	45	55	65	75	85	95	05	15	25	35

SOPORTE DEL LOGBOOK

ADIF completo (importa/exporta)

Cabrillo (exporta)

ASCII (exporta)

eQSL carga en tiempo real

Convierte Fácilmente los registros a papel

Ham Radio Deluxe

Logbook User Guide

By Simon Brown, HB9DRV



December 22, 2008

NUEVO LOGBOOK IN HRD V5

The screenshot displays the HRD Logbook V5 software interface. At the top, the frequency **7.076.980** is shown in a large black box. The main window is titled "HRD Logbook - [Logbook]" and features a menu bar with options like File, View, Browser, Calendar, Countries, Logbook, Tools, Window, and Help. Below the menu is a toolbar with icons for various functions.

The interface is divided into several panes:

- Radio Pane:** Located on the left, it shows the radio model "FT-847" and the main frequency "7.076.980". It includes controls for Mode (LSB), Sat Rx (LSB), Sat Tx (LSB), Tone, and Repeater.
- My Logbook HRD:** The central pane displays a logbook entry with columns for Date, Time on, Call, Mode, Sent, and Rcvd. The entry shows: 8/04/2009, 23:51:44, EA4FEU, LSB, 599, 599.
- Rotator:** On the right, a vertical frequency scale from 7000 to 7300 MHz is shown. A list of call signs is displayed next to the scale, with some highlighted in red: 4L6QC, 4L6CQ, CM6RCR, LY1000CM, EU3BN, UT5ND, RX3ZE/P, FM/F5HB, CT1JOP, OZ1GML, UA2FHZ, YV1PX, IS0/IN3SAU, ID9N, UA4YE, UA6YE, EA4SG, HK4OBA, G7VQE, PA3ERY, EA8YU, HB0/DL2SBY, LA3XIA, CT1FMX, OS8A, ON7CD, VP2EKG, and PJ7/K2GSJ.
- DX Cluster: Spots:** A window at the bottom center shows a table of spots for EA4EVMH on HB9DRV-9. The table includes columns for Date, Time, Freq, DX, Spotter, and Comments.
- Audio Recorder:** At the bottom left, it shows recording settings like "Limit: 5 min" and "Album: Ham Radio recordings".
- Clock:** A small window at the bottom right shows the time "02:00:34".

The Windows taskbar at the bottom shows several open applications, including "QRZ.com and...", "Ham Radio De...", "HRD Logbook", and "2% BitDefend...".

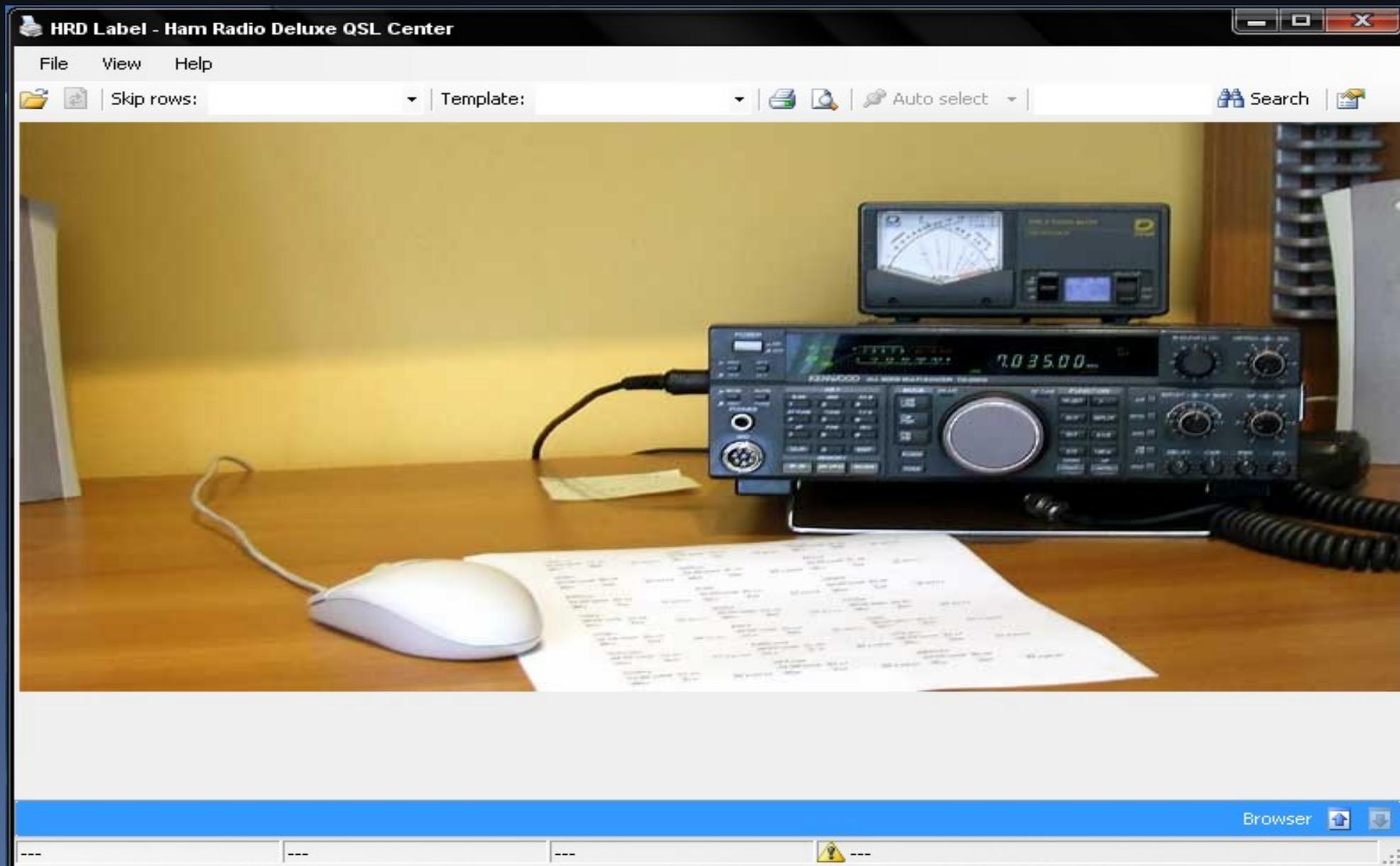
Una Configuración Personalizada

The screenshot displays the HRD Logbook software interface, customized for the 20m band. The main window shows the tuning panel with a frequency scale from 14.000 to 14.350 MHz. The current frequency is set to 14.000.800 MHz. The interface is divided into several panels:

- Tuning Panel:** Shows the frequency scale and various band options (160m, 80m, 60m, 40m, 30m, 20m, 17m, 15m, 12m, 10m, 6m, Fine). The 20m band is selected.
- Browser Window:** Displays the QRZ.COM website for the call sign ZS8T. The information shown includes:
 - ICOM IC-756PROIII \$2499.00 WITH FREE SHIPPING
 - ZS8T** Petrus Kritzinger, Marion Island, PRINCE EDWARD & MARION IS. - S. AFRICA
 - Lookups: 15079
- Audio Recorder:** Shows recording settings (Limit: 5 min) and album information (Album: Ham Radio recordings).
- DX Cluster:** Displays a list of spots for the EA4EWH on HB9DRV-9 cluster. The current spot is highlighted:

Date	Time	Freq	DX	Spotter
29-Apr	1522	14.180.0	J28JA	PD0NHM
29-Apr	1521	14.189.4	9M2TO	IT9KCD
29-Apr	1520	10.118.1	IK1WEG/8	HA2ESM
29-Apr	1520	14.000.0	ZS8T	MW0CRI
29-Apr	1520	14.189.5	9M2TO	IV3OKC
29-Apr	1520	14.189.5	9M2TO	IV3OKC
29-Apr	1520	18.145.0	5X1NH	IK8JVG
- Greyline:** Shows a world map with a greyline indicating the propagation path.
- Clock:** Displays the current time as 10:35:57.
- Rotator Panel:** Shows a list of call signs for the 20m band, including ZS8T, Z36A, ZF2ZB, E21EJC, YB4IR, W9JLR, RK3ER, W7SW, Z35G, W5ZR, BX4AD, YQ9EPC, 9V1SV, XV9TH, ZS6AIB, A71CT, IZ2KXB, BX4AF, DU1IVT, KL7LF, J28JA, VU2DK, 9M2TO, VK3ECH, 4Z5PG, VR2PW, VA2TG, E20WXA, BX2AAL, LY5A, BX4AN, ID9N, and BW2/JP1RIW.

HRD LABELS



SELECCION DE LA BASE DE DATOS DEL LOGBOOK

The screenshot shows the HRD Label software interface. The main window displays a logbook table with columns: QSL, Direct, Station, Start Time, Band, Mode, RST, Country, Remark, QSL via, Sent, Recv, and Status. A red pushpin icon is on the File menu. An 'Abrir' (Open) dialog box is overlaid, showing the file selection process. The dialog is set to search in 'Digital Master 780' and lists files: Archive, SSTV, Logbook, Logbook 15-May-2009 194844 (selected), and Logbook 16-May-2009 205010. The file name and type are entered in the bottom fields.

QSL	Direct	Station	Start Time	Band	Mode	RST	Country	Remark	QSL via	Sent	Recv	Status
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	HA6NL	12/05/2009 19:20	20m	PSK31	599	Hungary			Y	N	
<input type="checkbox"/>	<input type="checkbox"/>	S51OG	14/05/2009 12:05	20m	PSK31	599	Slovenia			N	N	
<input type="checkbox"/>	<input type="checkbox"/>	IZ8LLH	15/05/2009 12:05	20m	PSK31	599	Italy			N	N	

Abrir
Buscar en: Digital Master 780

- Archive
- SSTV
- Logbook
- Logbook 15-May-2009 194844
- Logbook 16-May-2009 205010

Nombre: Logbook 15-May-2009 194844
Tipo: HRD or DM780 data base (*.mdb)

Abrir Cancelar

CONFIGURAMOS NUESTROS DATOS

The screenshot shows the HRD Label software interface. A 'Properties' dialog box is open, allowing the user to configure station data. The dialog has tabs for 'Templates', 'My Profile', 'Image processing', 'QRZ.com', and 'Options'. The 'My Profile' tab is active, showing the following fields:

- Station: EA4EWH
- Name: JUAN GONGORA
- Address: C/TOLEDO,8 BAJO A
SAN FDO. DE HENARES (MADRID)
- Country: SPAIN
- Comment: EB4HED@hotmail.com

Buttons for 'Ok' and 'Cancel' are at the bottom of the dialog. The background shows a table of QSL records and a navigation pane on the left.

QSL	Direct	Station	Start Time	Band	Mode	BST	Country	Remark	QSL via	Sent	Recv	Status
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	HABNL	12/05/							Y	N	
<input type="checkbox"/>	<input type="checkbox"/>	S510G	14/05/							N	N	
<input type="checkbox"/>	<input type="checkbox"/>	IZ8LLH	15/05/							N	N	

IMPRIMIENDO EL LOGBOOK CON HRD LABELS

HRD Label - Ham Radio Deluxe QSL Center (C:\Documents and Settings\Administrador\Datos de programa\Simon Brown, HB9DRV\Digital Master 780\Logbook 15-...)

File View Help

Skip rows: 0 | Template: Label | Auto select | Search

Logbook | Addresses queue | Print log

QSL	Direct	Station	Start Time	Band	Mode	RST	Country	Remark	QSL via	Sent	Recv	Status
<input checked="" type="checkbox"/>	<input type="checkbox"/>	HA6NL	12/05/2009 19:20	20m	PSK31	599	Hungary			Y	N	
<input type="checkbox"/>	<input type="checkbox"/>	S51OG	14/05/2009 12:05	20m	PSK31	599	Slovenia			N	N	
<input type="checkbox"/>	<input type="checkbox"/>	IZ8LLH	15/05/2009 17:37	20m	PSK31	599	Italy			N	N	

Work DX!

QRZ 2.0

GigaParts
Icom
IC-756PROIII
~~\$2499.00~~
\$2249.10

See Real Aircraft Data \$100.05

S51OG

ANTON RATAJ
NA RAZGLED 7
SENTJUR, 3230
SLOVENIA

Lookups: 5460 QRZ Member

Email: Login required to view QSL: QSL VIA BUREAU, DIRECT, E-QSL, EPC #3930

[Click for more detail...](#)

S51OG
ANTON RATAJ
NA RAZGLED 7
SENTJUR
SLOVENIA
email: anton.rataj@qsl.net
ITU 28 WAZ 15

Address

Name

Address

Country

Contribution

QSL Manager

QSL Manager

More info

0 QSL will be printed | 0 addresses will be printed | 20 label free

Taskbar: HRD | HRD2.ppt - OpenOffic... | HRD Label - Ham Radi... | 22:59

VISTA PREVIA A LA IMPRESION

E44EWH
Confirming QSO to:

S51OG

DATE(D-M-Y) UTC
14-05-2009 12:05

Band RST Mode
20m 599 2x PSK31

PSE QSL

Print my QSL labels with HRD Label

E44EWH
Confirming QSO to:

HA6NL

DATE(D-M-Y) UTC
12-05-2009 19:20

Band RST Mode
20m 599 2x PSK31

PSE QSL

Print my QSL labels with HRD Label

Lo ultimo de QSLS vía WEB ojo de PAGO



<http://www.eqsl.cc/qslcard/Index.cfm>

LINKS

<http://chinto.ham-radio.ch/Index.htm>

<http://forums.ham-radio.ch/>

[http://wiki.ham-radio-deluxe.com/index.php?
title=Main_Page_Es](http://wiki.ham-radio-deluxe.com/index.php?title=Main_Page_Es)

<http://www.iw1qlh.net/>

FIN DE LA PRESENTACION

JUAN GONGORA

EA4EWH

