



Fellow Hams and Inovato Quadra Enthusiasts, I am pleased to announce the release of *HamIQ* 3.1.2b1 (November 2022) – The Inovato Quadra Ham Radio Image I've been working on for more than three years.

I have confirmed this image starts up successfully on the Inovato Quadra Plus.

A BIG thank you to my XYL, Michelle, for creating the HamIQ Logo!

For community support, please visit <https://groups.io/g/Inovato-Quadra-4-HamRadio>

-Dave Slotter, W3DJS

# HamIQ 3.1.2b1 – The Inovato Quadra Ham Radio Image by W3DJS

## General Ham Radio Applications

[HamLib](#) - Ham Radio Control Libraries

[grig](#) - graphical user interface to the Ham Radio Control Libraries

[CHIRP](#) - Radio Programming Software

[APRS Message App for JS8Call](#) - GUI to send APRS messages via JS8Call

[QTel](#) - EchoLink client

[QSSTV](#) - Slow Scan TV (e.g. "Fax")

[Gpredict](#) - Satellite prediction

[FreeDV](#) - Free digital voice vocoder

[BlueDV](#) - Client for D-Star and DMR

[WsprryPi](#) - WSPR software

[ADS-B Flight Tracking Software](#)

[Pi3/4 Stats Monitor](#) - by [W1HKJ](#)

[VOACAP](#) - HF propagation prediction

[GPS Support](#)

[wxtoimg](#) - NOAA weather imaging software

[twHamQTH](#) - an online callsign look up program

[twclock](#) - a world clock and automatic ID for amateur radio operators

[acfax](#) - Receive faxes using your radio and sound card

[colrconv](#) - converts client with sound and ncurses color support

[D-Rats 0.3.9 \(by new maintainer Maurizio Andreotti\)](#) - A communication tool for D-STAR

[fbb](#) - Packet radio mailbox and utilities

[gcb](#) - Utility to calculate long and short path to a location

[glfer](#) - Spectrogram display and QRSS keyer

[Xdx](#) is a DX-cluster client

[DXSpider](#) - DX Cluster Server

[fccexam](#) - Study tool for USA FCC commercial radio license exams.

[gnuais / gnuaisgui](#) - GNU Automatic Identification System receiver

[hamexam](#) - Study guide for USA FCC amateur radio (ham radio) license examinations.

[hamfax](#) - Qt based shortwave fax

[inspectrum](#) - tool for visualising captured radio signals

[predict-gsat](#) - Graphical Predict client

[splat](#) - analyze point-to-point terrestrial RF communication links

[wwl](#) - Calculates distance and azimuth between two Maidenhead locators

[AX.25](#) – Packet Radio drivers for ax.25 protocol

[linpac](#) - terminal for packet radio with mail client

[PyBOMBS](#) - GNU Radio install management system

[AMBE Server](#) – AMBE vocoder chip support

[HamClock](#) – GUI HamClock by WBOEW

[Adifmerg](#) – command-line ADIF conversion utility

[Lopora](#) – QRSS Beacon Reception

[Universal Ham Radio Remote](#) (UHRR) – UHRR provides remote radio operation

[ACARS Decoder](#) – for tracking aircraft transponders

[CygnusRFI](#) – RFI analysis tool for ground stations and radio telescopes)

[Update Scripts](#) -- to update Fldigi suite and WSJT-X (so one doesn't have to wait for new HamPi release.)

[Radio Explorer](#) – Displays shortwave radio broadcast schedules

[QrssPiG](#) – QRSS (Raspberry) Pi Grabber

[Minimodem](#) – General purpose software audio FSK modem

[Orca](#) – Screen-reading software which supports blind hams

[RBNC](#) – Reverse Beacon Network Client

[QDMR](#) – a GUI application and command line tool to program DMR radios

[wfview](#) – a program to control modern Icom ham radios

[DroidStar](#) – Software to RX/TX D-STAR, DMR, Fusion YSF/FCS, NXDN, P25, M17, and IAX (AllStar client)

[Lady Heather](#) – GPS Monitoring software

[Cqrprop](#) – Small application that displays propagation data from Paul, N0NBH website

## Antenna Ham Radio Applications

[antennavis](#) - Antenna Visualization Software

[Atlccl](#) – Arbitrary Transmission Line Calculator

[gsmc](#) - A GTK Smith Chart Calculator for RF impedance matching

[nec2c](#) - Translation of the NEC2 FORTRAN source code to the C language

[xnecview](#) - NEC structure and gain pattern viewer

[yagiuda](#) - software to analyse performance of Yagi-Uda antennas

## Digital Mode Ham Radio Applications

[WSJT-X](#) - Weak Signal (FT8, FT4, etc.) by [W1JT](#)

[GridTracker](#) - Graphical mapping companion program for WSJT-X or JTDX

[JTDX](#) - Alternate client for Weak Signal (FT8, FT4, etc.)

[JS8Call](#) - Messaging built on top of FT8 protocol by [KN4CRD](#)

[JS8CallTools](#) - Get Grid coordinates using GPS

(FLDigi is in its own section below.)

[gnss-sdr](#) - GLONASS satellite system Software Defined Receiver

[linpsk](#) - amateur radio PSK31/RTTY program via soundcard

[multimon](#) - multimon - program to decode radio transmissions

[multimon-ng](#) - digital radio transmission decoder

[psk31lx](#) - a terminal based ncurses program for psk31

[twpsk](#) - a psk program

## Software Defined Radio

[CubicSDR](#) - Software Defined Radio receiver

[cutesdr](#) - Simple demodulation and spectrum display program

[GQRX](#) - Software defined radio receiver

[LeanSDR](#) – Lightweight, portable software defined radio

[SDR++](#) -- Brand new cross-platform and open source SDR software

[SDRAngel](#) - SDR player

[lysdr](#) - Simple software-defined radio

[SoapyAudio](#) - Soapy SDR plugin for Audio devices

[SoapyHackRF](#) - SoapySDR HackRF module

[SoapyMultiSDR](#) - Multi-device support module for SoapySDR

[SoapyNetSDR](#) - Soapy SDR module for NetSDR protocol

[SoapyRemote](#) - Use any Soapy SDR remotely

[SoapyRTLSDR](#) - Soapy SDR module for RTL SDR USB dongle

[SoapySDR](#) - Vendor and platform neutral SDR support library

[SoapySDRPlay](#) - Soapy SDR module for SDRPlay

[SoapySDRPlay3](#) - Soapy SDR module for SDRPlay3 API

Support for [RTL-SDR](#)

Support for [SDRPlay SDR](#)

Support for [HackRF SDR](#)

Support for [AirSpy](#) and [AirSpy HF](#)

[SoapySDRAirSpy](#)- Soapy SDR module for AirSpy SDR

[SoapySDRFUNCube Dongle Pro+](#)- Soapy SDR module for FUNCube Dongle Pro+

[SoapySDRPlutoSDR](#)- Soapy SDR module for Pluto SDR

[SoapySDROsmoSDR](#)- Soapy SDR module for Osmo SDR

[SoapySDRRedPitaya](#)- Soapy SDR module for Red Pitaya SDR

[SoapyUHD](#)- Soapy SDR module for Ettus ResearchUHD SDR

[SoapySDRVOLKConverters](#) - Support for VOLK-based type converters

## APRS Applications

[Xastir](#) - APRS GUI client / Digipeater / Igate

[YAAC](#) - Yet Another APRS Client

[DireWolf](#) - Software "soundcard" AX.25 packet modem/TNC and APRS encoder/decoder

[aprsdigi](#) - digipeater for APRS

[aprx](#) - APRS Digipeater and iGate

[soundmodem](#) - Sound Card Amateur Packet Radio Modems

## FLDigi Application Suite from [W1HKJ](#)

[flrig](#) - Rig Control program which interfaces with fldigi

[fldigi](#) - [Digital Modes](#) Communications

[flaa](#) - RigExpert Antenna Analyzer Control Program

[flamp](#) - File transmissions via Amateur Multicast Protocol

[flarq](#) - ARQ data transfer utility for fldigi

[flcluster](#) - Telnet client to remote DX Cluster Servers

[fllog](#) - Logbook application which can use same data file as fldigi

[flmsg](#) - Editor for ICS 213 Forms

[flnet](#) - Net Control Assistant for Net Activities (Check-In Application)

[flpost](#) - NBEMs post office

[flwrap](#) - File encapsulation and compression for transmission over amateur radio

[flwkey](#) - Winkeyer (or clone) control program for K1EL Winkeyer series

## Logging Applications

[10 10 QSO Logger](#) – Logging software for Ten Ten International Users

[TrustedQSL](#) – Logbook of the World (LotW) client

[CQRlog](#) - Ham Radio Logging Application

[PyQSO](#) - Logging software (written in Python)

[klog](#) - The Ham Radio Logging program

[SKCCLogger](#) – Straight Key Century Club Logging application

[tlf](#) - console based ham radio contest logger

[tucnak2](#) - VHF/UHF/SHF Hamradio contest log version 2

[twlog](#) - basic logging program for ham radio

[upload\\_adif\\_log](#) – Upload only new log entries to LotW, eQSL.cc and ClubLog

[update\\_wsjt\\_log.py](#) – Updates missing name and/or grid square in WSJT-X ADIF logfile

[wsjtx\\_to\\_n3fjp](#) - Logging adapter to allow WSJT-X to log to N3FJP

[xlog](#) - GTK+ Logging program for Hamradio Operators

## WinLink Applications

[Pat WinLink](#) - WinLink for Raspberry Pi (and other platforms)

[ARDOP](#) support for Pat WinLink

[ARDOP-GUI](#) - Provides graphical representation of ARDOP connections

[Find ARDOP](#) - Retrieves local ARDOP sources by [KM4ACK](#)

[Pat Menu 2](#) – Menu for Pat by KM4ACK

[PMON](#) - a PACTOR® Monitoring Utility for Linux

## Morse Code Applications

[aldo](#) - Morse code training program

[cw](#) - sound characters as Morse code on the soundcard or console speaker

[cwcp](#) - Text based Morse tutor program

[xcwcp](#) - Graphical Morse tutor program

[cwdaemon](#) - morse daemon for the serial or parallel port

[ebook2cw](#) - convert ebooks to Morse MP3s/OGGs

[ebook2cwgui](#) - GUI for ebook2cw

[morse](#) - training program about morse-code for aspiring radio hams

[morse2ascii](#) - tool for decoding the morse codes from a PCM WAV file

[morsegen](#) - convert file to ASCII morse code

[qrq](#) - High speed Morse telegraphy trainer

[xdemorse](#) - decode Morse signals to text

\*\*\* Ham Radio Wallpaper also included in image \*\*\*

\*\*\* Help menu items available off the main desktop GUI menu \*\*\*