

The SWL Station software is an integrated package for the maximum of receive functionality.

The **Receiver** features include the following functions standard on the Rx...

Memory System:

- Dual VFOs that hold Transceiver settings for frequency, band, mode, filter, AGC, attenuation, tune step, FM Repeat Mode, Split Mode Status, Data Mode Status, and label.
- Automatic Band Memory Registers that save/restore radio context when Switching from band to band.
- VFO/Memory Exchange System that allows transceiver parameters to be swapped between VFOs and VFOs and Memory.
- SWL Station Memory System with WEB Browser Interface, WEB Call Lookup Interface and Field Reversible Sorting.
- SWL Memory features multi column display with multi-Field Search Record Functions which include qualifiers that include “**must**” have data or “**any**” that have data based upon a user selection of search fields.
- SWL Station Memory System features an Auto Scheduling function that permits scheduled listening daily, weekly, or on a single occasion. The user can specify the start time and duration.
- Quick Memory System with Memory Labeling.

General:

- Optional “**Fly-by**” button labels for the sight impaired.
- Choice of Rx Signal Meter Types.
- Choice of Main Dial Formats.
- Choice of Tuning Knob Formats (Not available on Bandscope).
- Choice of coloring for button text, dial colors, scope faces, labels, scope text, scope indicators and scope grid coloring.
- Choice of Main Dial VFO-A and VFO-B Font faces.

- Choice of Digital or Analog Filter Interface for filter selection.
- MixW File Interface Support.
- 41 Pre-Programmed Shortwave and Ham Band Color Coded Segments, including NASA, MARS, USAF, Aeronautical, Airlines, CB, Broadcast Relay plus Shortwave Broadcast bands.
- Built in Software Self-Check Diagnostics and Calibration Functions.

Extended Mode Support:

- Rx Extended Modes of SAM+(Synchronous AM Upper Sideband) and SAM-(Synchronous AM Lower Sideband).
- FM Simplex and Repeater Shifts including VFO A/B Locking and Tracking in either FM+ or FM- Shift Modes (Not available on Rx320 based products).
- Selectable Default Mode settings for tune step, filter, and AGC.

Extended Receiver Functions:

- Meter calibration controls for Rx Signal Meter including Zero, Max, Jitter and Sample Rates.
- Digital frequency based Pass-band Tuning with either fixed or auto ranging step based upon receiver frequency step.
- Receiver Incremental Tuning with either fixed or auto ranging step based upon receiver frequency step.
- Smart S-Meter based Squelch.
- All Mode Squelch (Transceivers Only).
- Auto Mute on Zero AF Gain.
- Three (3) stage signal attenuation (Not available on Rx320 Based Products).
- BFO Tuning in CW mode with either fixed or auto ranging step based upon receiver frequency step.
- Separate Line and AF Gain adjustments front panel configurable.
- WWV/CHU International Time Interface.

Extended Mouse Interface:

- Mouse Control of a Subset of Rx Functions; Step, VFOA, VFOB, PBT, RIT, XIT, PWR, AF, SQL, AGC, Filter BW, BAND, GEN, Mode, Scan BW.

Display Scope Interface:

- I.F. Filter Scope Display that plots and tracks a swept signal through the selected filter passband with frequency edge readouts.
- I.F. Display Scope with Graphical PBT, Filter Selection, and Center zero.
- Standard 2.5" Scope Display with Digital Noise Filter and Digital Signal Amplifier and two(2) Display Formats with a Sweep data memory for each band.
- Spectrum Scope Display includes Sweep Controls for Scan BW and Filter.
- Scope Control Include Plot Type, Auto Zero, Signal Jitter, Scale Resolution, Signal Gain, and vertical AGC.
- Spectral scope tracking of both VFO A and VFO B with respect to center swept frequency.
- Spectral scope targeting frequency cursor with "Point and Click" QSY or automatic loading of either VFO or Quick Memory System.

Integrated Station Log:

- Basic station Log with ADIF File Export Capabilities, automatic field fill in of transceiver/receiver parameters, Windows Clipboard Interface, HamCall CD Lookup Interface.
- Logger reversible column sort functions.
- Station log print facilities with custom headers, footer, and page numbering.
- HamCall CD lookup data function lookup provided in entry edit panel.
- Support of automatic fill in of log entries with station data from the

HamCall CD database.

- Places the **additional** information supplied by the HamCall CD into the “Comments” area of the log where it can be copied/pasted.

Remote POD:

- Programmable remote POD Key interface featuring a choice of 32 transceiver functions (Available only on the Pegasus, PegasusRx, Jupiter and Eclipse).
- Remote POD Tuning Wizard for setting POD personal characteristics (Available only on the Pegasus, PegasusRx, Jupiter and Eclipse).

SWLStation Includes the following **additional** features...

Scan System:

- SWL Memory, Quick Memory, and Frequency Range Scan Functions including Setting the Scan Dwell, Pause on Signal, Stop on Signal and Signal Trigger Level.
- Scanning includes Skip Scan and Scan on SWL Memory Sort Order and Sorted Output Set.
- Frequency Range Scanning, Up or Down, individually settable or linked to the SWL Memory system using in place Rx Controls for Mode, Step, etc.

Expanded Scope Interface:

- Expanded 3” Scope Display with a Sweep data memory for each band.
- Two (2) Scope Sample Resolutions Settable on a Scope Bandwidth Basis.
- Scope resolutions settable on a sweep width basis.

Receiver:

- Received signal based Audio Squelch.

