

FAIRHAVEN RD500



QUICK REFERENCE GUIDE

V1.2

Please read the main manual for full details.

Push-button keys are shown highlighted in black, e.g. **ENTER**

Ensure that antennas are connected in appropriate sockets.

Power supply should be 12 to 14volts at 1 amp.

For PC software, please read all relevant help files on the CD.

1. MAIN CONTROLS

TUNING WHEEL – Usually available for tuning, but user may have to press **CANCEL** if assigned to other purposes by a menu.

VOLUME – ALWAYS AVAILABLE

FILTER – (NOTCH and PEAK) See VFILT

SQUELCH – AVAILABLE IN ALL MODES EXCEPT FMW and TVS

Front panel keys:

Numeric keys are usually available for **frequency entry** but user may have to press **CANCEL** if the keys are assigned to other purposes by a menu.

2. KEY SEQUENCES

KEY - **FOLLOWED BY...**

MODE — Then press **NUMERIC KEYS** (more than once to access all modes)

BANDS — **UP / DOWN** or **TUNE WHEEL** To select band.

ENTER To tune within the chosen band.

MODE, **NUMBER KEY**, **ENTER** To permanently change mode of band.

BANDS Enter **start** frequency limit.

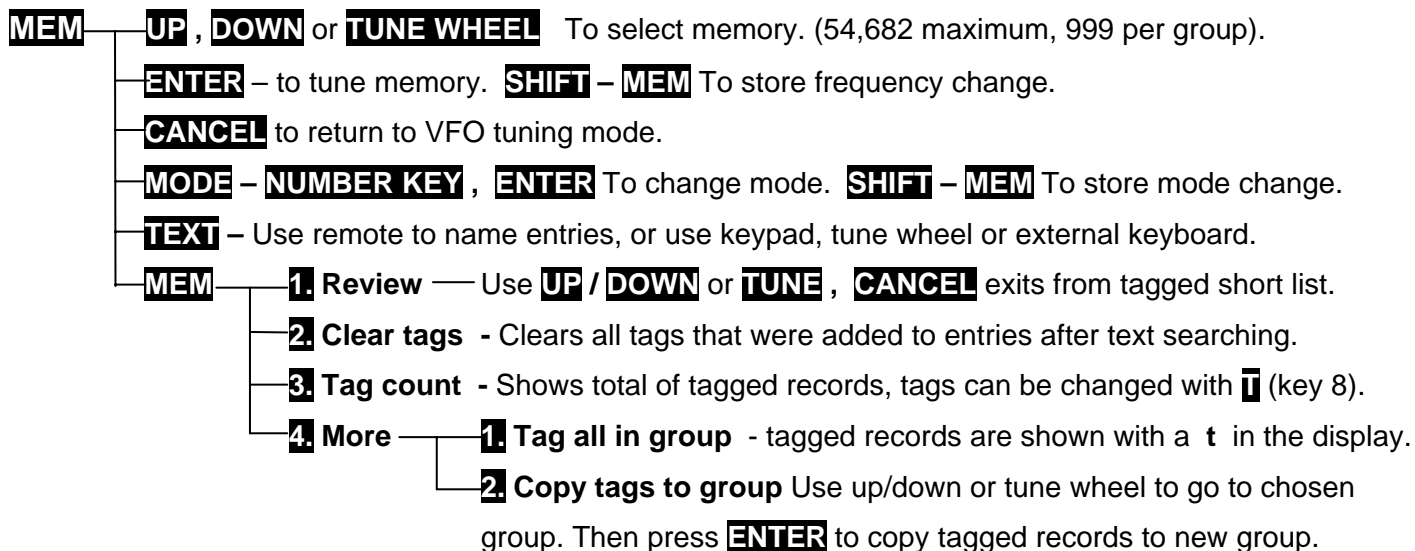
BANDS Enter **end** frequency limit.

BANDS Enter **step** frequency in MHz e.g. 0.01MHz = 10kHz.

ENTER To tune within the chosen band again.

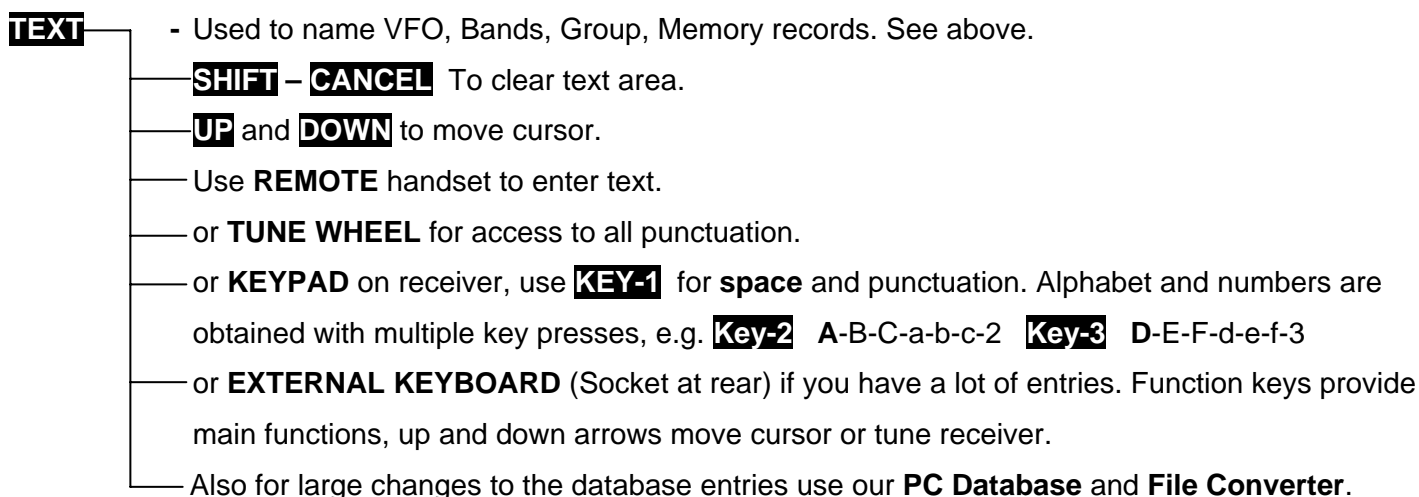
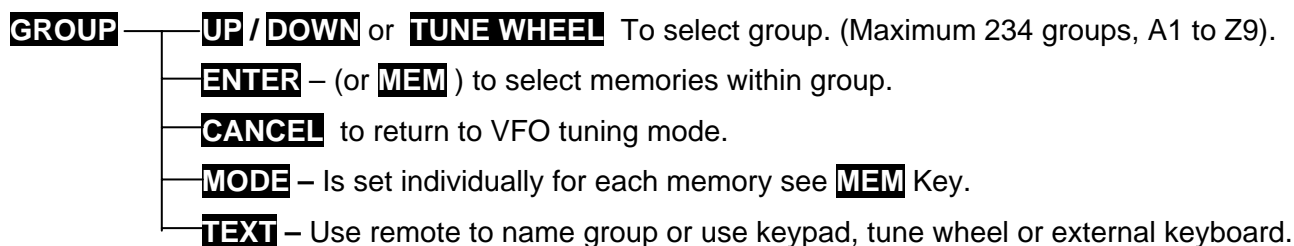
TEXT – Use remote to name entries or keypad, tune wheel or external keyboard.

SCAN – Use squelch to silence receiver first, **AUTOMEM** (in **SCAN SET**) can be used to automatically enter active frequencies.



SHIFT - **MEM** To store frequency, mode and text from current VFO to next available memory in chosen group.

User can press **GROUP** to see group title, then **MEM** to return to memory record.



- SHIFT** - **DECODE** - Provides access to decode facilities, when decode is provided.
- SHIFT** - **SKIP**
1. - Add to Skip List. When skip is selected in **SCAN SET** the receiver will avoid stopping on frequencies contained in the skip list during it's scan cycle.
 2. **View skip list** 1. **Remove from list.**
- SHIFT** - **SAVE (MEM)** Saves current VFO frequency, mode and text to next available memory in the chosen group.
- SHIFT** - **PRIO** (Priority channel). Frequency, channel name and mode can be entered, scan cycle alternates between memories and priority when selected in the groups scan set up.
- SHIFT** - **FIND** Enter search text, the receiver will find any word contained in the bands, memory, group or VFO names. Make sure that either band, memory, or group etc. is selected prior to the search. The receiver will give a short list of any matches in **Review** mode.

- SHIFT** - **1 AUX**
1. **ATT** Switches in an attenuator to the antenna paths.
 2. **PRE** Switches in an amplifier to the HF antenna input, the HF amplifier can be switched to high impedance mode which uses a separate socket marked **Whip** on the rear panel and is active when AMP is selected.
 3. **CAS** A cassette recorder's motor or a repeater can be switched via the rear socket when a signal is present, see main handbook.
 4. **LPF** (Audio low pass filter), used to improve signal clarity.
 5. **AVC** (Automatic volume control), reduces volume variations in AM and Sync – AM modes.
 6. **MORE**
 1. **Reserve Memory.** – Use **UP** and **DOWN** to select record time and number of records required. **Backup all entries to a pc first.**
 2. **Free Record count.** Displays number of free records available.

- SHIFT** - **2 CWFILT**
1. **LP** CW filter (for Morse reception), is set to **mono** (low pass) mode.
 2. **BP** CW filter is set to **stereo** (band pass) mode to separate signals.
 4. **Flat** CW filter is set to minimum filter selectivity.
 5. **Mid** CW filter is set to middle filter selectivity.
 6. **Peak** CW filter is set to maximum filter selectivity.

SHIFT - 3 VFILT

- 1. Off** Variable filter is switched off.
- 2. Notch** Puts variable filter in notch mode, use **FILTER** knob to vary the filter to eliminate interfering tones.
- 3. Peak** Puts variable filter in peak mode, use **FILTER** knob to vary the filter to accentuate CW tones.

SHIFT - 4 AGC

- 1.** Sets AGC (Automatic gain control) to slow response for SSB reception.
- 2.** Sets AGC to fairly slow response for normal SSB reception.
- 3.** Sets AGC to fast response for AM reception
- 4.** Allows the user to apply settings 1,2 or 3 to AM modes.
- 5.** Allows the user to apply settings 1,2 or 3 to SSB modes.
- 6.** Allows the user to apply settings 1,2 or 3 to SYNC modes.

SHIFT - 5 N.B. Key 5 switches the impulse noise blanker on and off, leave off if not required.

SHIFT - 6 PBS **UP** and **DOWN** varies the amount of Pass Band Shift in SSB and SYNC modes to reduce interference from overlapping signals, the receiver can still be **tuned** when this menu is displayed.

SHIFT - 7 VFO Places a cursor below the **VFO** letter on the left of the screen. Use **UP** and **DOWN** to change VFO's or use lettered keys for quick access, e.g. **Key 2** gives VFO's A,B and C. **Key 0** alternates between VFO's Y and Z. Use VFO's for casual tuning and mode changes if you don't want to alter the main database memories.

SHIFT - 8 STEP Leave the step size set to "**Normal**" to let the receiver select a step size appropriate to the mode type. For special purposes e.g. 10kHz in AM mode for Air Bands select 10kHz with **UP** or **DOWN** keys.

SHIFT - 9 CLOCK Displays clock time and date. **UP** and **DOWN** gives the worlds main time zones offset from GMT.

CLOCK pressed a second time gives access to the following options.

1. Mode — **1.** — 12 or 24 Hour format. (Press key once or more).

2. — Month followed by Day or Day followed by Month.

2. Set — Enter **time** and **date** use **A** (key 2) for **AM**, **P** (key 7) for **PM**, **ENTER**.

3. Timers — **1. to 4.** Enter **Time** and **Date** press **ENTER**, use **UP** and **DOWN** to set **duration**. Repeat for other 3 timers if required. Press **ENTER** again, finally press **CLOCK**, **4** (see below) to activate the timers as required.

5. Sleep timer — Use **UP** and **DOWN** to set the duration until the receiver will switch off automatically.

4. Activate timer Timers 1, 2, 3, and 4 are made active by pressing their corresponding key numbers.

SHIFT - COMMS

Key 1 Switches comms link on and off. Comms is required to be on for **PC connection**, **Data slicer** and **FM output** on the rear socket.

SHIFT - LOCK

Locks the keyboard. **SHIFT - LOCK** Again, unlocks the keyboard.

SCAN — Turn the squelch clockwise until the receiver is just silenced, press **SCAN** or press the tuning wheel and the receiver will scan.

SHIFT - SCAN (SCAN SET)

- 1.** Cycles through **P**ause – **H**old – **C**ontinuous and **S**top scan modes.
- 2.** Enables **S**kip List. See **SKIP** key.
- 3.** Enables **P**riority Channel. See **PRIO** key

4. More **1. Autotune**

Key 1 enables autotune, so receiver will automatically tune to the centre of a signal.

2. Automem

Key 2 enables Automem so that during scanning, the frequency and mode will be entered in to a new memory each time the squelch is raised.

3. More

1. Pause

Pressing **Key 1** cycles through pause duration's i.e. the duration that the receiver will wait on an occupied channel before continuing to scan.

2. Hold

Pressing **Key 2** cycles through hold duration's i.e. the duration that the receiver will wait on a channel after the signal has gone, before continuing to scan.

Pause and hold times:

0.5 seconds
1 second
2 seconds
5 seconds

SHIFT - REC/PB

1. Rec

Starts recording from start edit point.

2. Play

Plays back from start edit point.

3. Rpt

Repeats recording or playback between start and end points.

4. Stop

Stops recording or playback.

5. Edit

1. Start

Use Tuning Wheel or UP and DOWN to set start point.

2. End

Use Tuning Wheel or UP and DOWN to set end point.

By moving start and end points, more than one recording can be made. Repeat can be used to record continuously until an event has been captured.

SHIFT

Followed by **tuning** activity will cause the receiver to tune in fast mode (x10). **F** is shown at the end of the frequency display.

TUNING

Displays the tuning meter (except in TV and Wide band FM modes).

S.METER

Displays the Signal Strength Meter (except in TV and Wide band FM modes).