GME

RX1300

MULTIBAND
SCANNING RECEIVER

INSTRUCTION MANUAL

CAUTION

Please read these instructions carefully before operating your receiver. Your scanner is a complex and powerful unit with many functions. Please retain this manual for future reference.

- **Never** connect the receiver to a power source other than the specified battery otherwise damage to your receiver may occur.
- **Do Not** place the receiver in front of a vehicle airbag.
- **Do Not** operate the receiver on board an aircraft.
- **Always** charge the receiver at normal room temperature.

- **Always** replace the accessory jack cover when the jack is not in use.
- **Use only** GME approved rechargeable batteries in your receiver.
- **Do Not expose** the receiver to water. It is not waterproof.
- **Avoid** storing or charging the receiver in direct sunlight.
- **Avoid** storing the receiver in temperatures below -20°C or above +60°C.

CONTENTS

ACCESSORIES SUPPLIED

- Scanner Receiver
- Antenna
- Rechargeable Battery Pack
- Earphone
- Charger Cradle
- Power Adaptor
- Lanyard Strap

FITTING AND REMOVING THE BATTERY PACK

Fitting

1. Ensure the receiver is switched off.
2. Align the bottom of the battery pack with the securing slots in the base of the receiver.
3. Press the top of the battery pack into the back of the receiver until it 'clicks'.
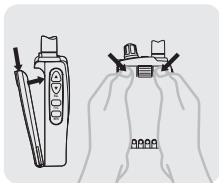
Fitting the Battery
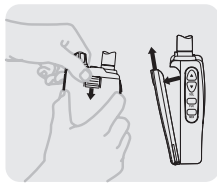
Removing the Battery

Removing

1. Ensure the receiver is switched off.
2. Holding the receiver in one hand, press down on the battery release catch.
3. Swing the top of the battery pack away from the receiver.

INSTALLING THE ANTENNA

1. Place the antenna onto the antenna socket on top of the radio.

2. Rotate the antenna clockwise to screw into place.

3. Do not over tighten.

INSTALLING THE LANYARD

1. Slide the small end loop of the lanyard through the slot in the rear of the receiver's top panel.

2. Feed the large end of the lanyard through the loop and tighten

CHARGING THE BATTERY

Your scanner receiver is supplied with a rechargeable battery back, desktop charging cradle and AC adaptor.

To charge the battery:

1. Fit the battery to the receiver (see instructions left). Ensure the receiver is switched off.

2. Connect the AC adaptor to the charging cradle.
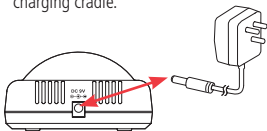
3. Plug the AC adaptor into a mains power outlet.

4. Insert the receiver into the charging cradle until it 'clicks' home. The charging LED will glow RED and charging will begin.

Charging LED

If the charging LED blinks RED and GREEN or does not light at all, remove the receiver from the cradle and reinsert it.

The charging time for a discharged battery is typically 12–15 hours. When the battery is fully charged, the LED will turn GREEN.

Note: If you find yourself in a position where you need to charge the battery but the charging cradle is not available, you can plug the AC adaptor directly into the receiver's charging socket located under the accessory jack cover.
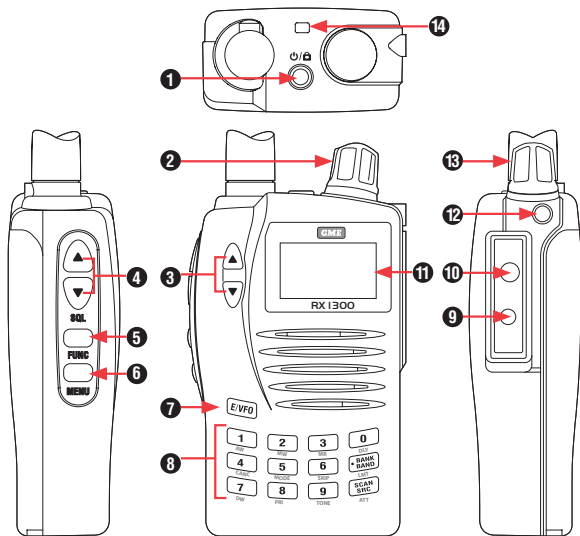
1. Power On/Off Lock Button
2. Control Knob
3. Up/Down Keys
4. Squelch Up/Down Keys
5. Function Key
6. Menu Key
7. Enter/VFO Key
8. Keypad
9. Memory Cloning/Charging Jack
10. Ear phone Jack
11. LCD Display
12. Jack Cover Securing Point
13. Antenna
14. Lanyard Slot

1. **Power On/Off Lock Button** – turns the receiver on and off. Also Locks the keypad.

2. **Control Knob** – selects frequencies and channels and selects values from menus.

3. **Up/Down Keys** – adjusts the Volume and selects Menu items and frequency steps.

4. **Squelch Up/Down Keys** – opens and closes the squelch.

5. **Function Key** – enables extended keypad functions.

6. **Menu Key** – provides access to setup menus.

7. **Enter/VFO Key** – confirms selections and selects the VFO Mode.

8. **Keypad** – allows direct entry of frequencies and selection of functions.

9. **Accessory Jack** – provides charging and earphone jacks.

10. **LCD Display** – shows frequencies and selected functions.

11. **Jack Cover Securing Point** – holds the accessory jack cover in place.

12. **Antenna** – provides reception of signals.

13. **Lanyard Slot** – allows connection of the Lanyard to protect the receiver from being accidentally dropped.

KEYPAD

Direct Input Keys

1. **Number Keys** – used to enter frequencies in VFO Mode and to make direct selection of Banks in memory Read Mode.

2. **Bank/Band Key** – used to change Memory Banks or Frequency Bands.

3. **Scan/Search Key –** used to activate or deactivate the Scan function in memory read Mode or the Search function in VFO Mode.

Extended Function Keys

The Keypad Keys on the front panel have secondary functions which are printed below each key. These secondary functions are accessed after pressing the **FUNC** key.
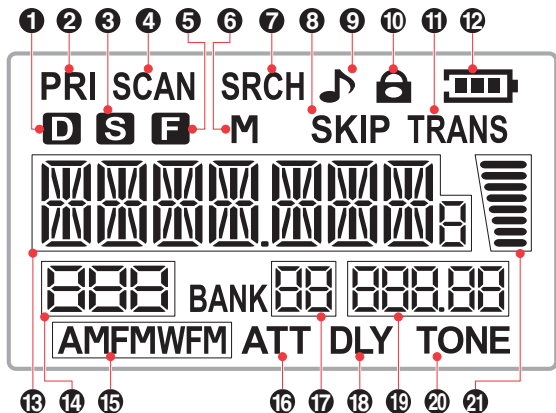
See chart on following page for key functions.

FUNCTION KEY

KEY	FUNCTION	DESCRIPTION
1 - **AW**	Automatic Write	Automatically stores scanned frequencies in the automatic memory storage area.
2 - **MW**	Manual Write	Allows manual storage of frequencies into the manual memory storage area.
3 - **MR**	Memory Read	Allows reading of the frequencies in the stored memories.
4 - **CANC**	Cancel	Used to cancel an incorrect input.
5 - **Mode**	Mode	Selects the receiver Modes (AM, FM, WFM or Automatic).
6 - **SKIP**	Skip	Used to skip channels when scanning or skip frequencies when searching.
7 - **DW**	Dual Watch	Activates or deactivates the Dual Watch function.
8 - **PRI**	Priority Channel	Activates or deactivates the selection of a Priority Channel.
9 - **TONE**	Tone Activates	Activates or deactivates the selected CTCSS/DCS tone. The required tone is selected from the menu function in VFO Mode.
0 - **DLY**	Delay	Activates or deactivates the delay timer which determines how long the radio will wait on a frequency after a signal has disappeared. The delay time is set from the menu function.
BANK BAND **LMT**	Limit:	Allows the entry of upper and lower frequency limits when searching.
SCAN SRC **ATT**	Attenuator:	Activates or deactivates the signal attenuator to reduce the receiver's sensitivity in strong signal conditions.

1. Dual Watch
2. Priority Channel
3. Power Save
4. Scan
5. Function
6. Memory
7. Search

8. Skip
9. Key Tone & Beep Tone
10. Keypad Lock
11. Data Transfer
12. Battery Charge Level
13. Frequency Display
14. Channel Indicator

15. AM, FM, WFM Mode
16. Attenuator
17. Bank Number
18. Scan Delay Timer
19. Frequency Step
20. Tone
21. Signal Meter

GENERAL OPERATION

Turning the unit On or Off

Press and hold the RED Button on the top of the unit to turn the unit ON. Press and hold the RED Button again to turn the unit OFF.

KEY Lock

Briefly press the RED Button on the top of the unit to turn the Key Lock ON.

Briefly press the RED Button again to turn the Key Lock OFF again.

Volume

Press the ▲ key to increase the volume. Press the ▼ key to decrease the volume. The volume level will be displayed from 00 to 31.

Squelch

Press the ▲ key on the side of the radio to increase the Squelch setting and the ▼ key on to decrease the Squelch setting. The Squelch level will be displayed from 00 to 09. At maximum Squelch setting, 'AT' is selected which represents an automatic (preset) level setting.

Function Key

The **Function** key provides access to secondary functions associated with the front panel keys. The secondary function labels are printed below their respective keys.

Menu Key

The **Menu** key provides access to the radios settings. The settings menus will vary depending on which Mode the receiver is in.

E/VFO Key [Enter/VFO]

Press the **E/VFO** key to select the VFO (Variable Frequency Oscillator) Mode. Frequencies can now be entered directly from the keyboard. Press the **E/VFO** key to Enter (accept) the selected frequency.

Note: The receiver always selects the VFO Mode each time it is turned on.

Control Knob

The **Control** knob is used to change the current display option.

In VFO Mode, rotate the **Control** knob to change the displayed frequency at the selected frequency steps. Rotate clockwise to increase the frequency and counter clockwise to decrease the frequency.

In Menu Mode, rotate the **Control** knob to change the selected setting.

In Channel memory Mode, rotate the **Control** knob to step up or down through the memories.

SELECTING FREQUENCIES

The receiver always selects the VFO Mode when it is turned on. You can select frequencies using one of the following methods:

Direct Frequency Input

Enter frequencies using the numbered keypad. Don't forget to include the decimal point where applicable. When you have entered the required frequency, press the E/VFO key to accept it. If the frequency you have entered is not within the selected frequency step, it is automatically corrected to the nearest correct frequency.

e.g. Entering 456.25 followed by E/VFO results in 456.2500 being selected.

The frequency step can be changed to allow more precision of desired frequency.

Using the Control Knob

First select the required starting frequency using the direct frequency input method, then rotate the control knob to step up or down in frequency from the starting point. The frequency will change in the selected frequency step.

- To change frequency in 1 MHz steps, press the **FUNC** key, then press the ▲ or ▼ keys to change the frequency. (F is displayed while the 'Func' Mode is active).

- To change frequency in 10 MHz steps, press the Func key then rotate the control knob to change the frequency. (F is displayed while the 'Func' Mode is active).

Note: The Func Mode clears a few seconds after the last key press or control knob change.

Mode Selection

By default, the receiver automatically selects the modulation Mode most commonly used for each band (see the Frequency Band chart for the default Modes for each band) To manually select a different Mode, press 'Func' followed by the Mode key.

Each press will step through the Mode settings in the following order:

-> AM -> FM -> WFM (Wideband FM) -> Auto ->

To automatically have the receiver select the Mode for the band you are on, select the Auto Mode.

Frequency Step Selection

By default, the receiver automatically selects the frequency Steps most commonly used for each band (see the Frequency Band chart for the default Steps for each band).

To select a different step:

1. In VFO Mode press **MENU**.

2. Press the Volume ▲ or ▼ keys until STEP is displayed.

3. Turn the **Control** knob until the desired frequency step is displayed.

4. Press **E/VFO** to confirm the selection.

The following Frequency Steps are available:

5 kHz
6.25 kHz
8.33 kHz (108 MHz - 135.975 MHz)
9 kHz (below 1.620 MHz ONLY)
10 kHz
12.5 kHz
15 kHz
20 kHz
25 kHz
30 kHz
50 kHz
100 kHz
500 kHz
Auto

If Auto is selected the receiver will automatically select the appropriate default Frequency Step for each band.

FREQUENCY BANDS

The scanner supports the following Frequency Bands:

Frequency Band	Startup Frequency	Default Mode	Default Step
150 kHz to 495 kHz		AM	5 kHz
504 kHz to 1.620 MHz	1.5 MHz	AM	5 kHz
1.625 MHz to 29.995 MHz	5 MHz	AM	5 kHz
30 MHz to 87.975 MHz	51 MHz	FM	25 kHz
88 MHz to 107.950 MHz	88 MHz	WFM	100 kHz
108 MHz to 135.975 MHz	118 MHz	AM	25 kHz
136 MHz to 255.100 MHz	150 MHz	FM	25 kHz
255.1125 MHz to 382.100 MHz	370 MHz	FM	12.5 kHz
382.125 MHz to 769.800 MHz	430 MHz	FM	25 kHz
769.8125MHz to 960.100 MHz	850 MHz	FM	12.5 kHz
960.125 MHz to 1309.975 MHz	1295 MHz	FM	25 kHz

FREQUENCY SEARCH

Band Search

Use the **Search** function to locate active frequencies in one or more bands

1. Press the **E/VFO** key to select VFO Mode. (Note: the receiver automatically selects the VFO Mode when it is turned on).

2. Press the **BAND** key to select the required Band. There are 10 factory preset bands to choose from (see Frequency Band Table).

3. Set the Squelch level using the Squelch ▲ or ▼ keys so that the noise just disappears.

4. Select a start frequency to search from. To do this, enter the frequency on the keypad, then press **E/VFO** key.

5. Press the **SCAN SRC** key briefly. The 'SRCH' icon will be displayed and the receiver will search the selected band starting from the start frequency. Once the end of the band is reached the search continues at the beginning of the selected band.

6. To stop the search, press the **SCAN SRC** key again.

   • During the search, press the **BANK BAND** key to move to the next band.

   • To change the search direction rotate the control knob clockwise or counter clockwise.

   • The receiver will stay on an active channel according to the Scan Timer settings in the VFO Menu. If the Scan Timer is set to '5 seconds', the receiver will continue searching after 5 seconds even if the channel is still busy. If the Scan Timer is set to 'Busy', the receiver will remain on the busy frequency for as long as it stays busy, then resume searching when the signal disappears.

Full Search

The Full Search function searches the entire scanner frequency range for signals.

1. Press the **E/VFO** key to select VFO Mode. (Note: the receiver automatically selects the VFO Mode when it is turned on).

2. Set the Squelch level using the Squelch keys so that the noise just disappears.

3. Press and hold the **SCAN SRC** key for 2 seconds. The 'SRCH' icon will be displayed and the receiver will search the entire frequency range of the receiver.

4. To stop the search, press the **SCAN SRC** key again.

   • During the search, press the **BANK BAND** key to move to the next Band.

   • To change the search direction rotate the control knob clockwise or counter clockwise.

   • The receiver will stay on an active channel according to the Scan Timer settings in the VFO Menu. If the Scan Timer is set to '5 seconds', the receiver will continue searching after 5 seconds even if the channel is still busy. If the Scan Timer is set to 'Busy', the receiver will remain on the busy frequency for as long as it stays busy, then resume searching when the signal disappears.

LIMITED SEARCH

You can limit the search between two user-selectable frequency limits.

1. Press the **E/VFO** key to select VFO Mode. (Note: the receiver automatically selects the VFO Mode when it is turned on).

2. Set the Squelch level using the Squelch keys so that the noise just disappears.

3. Press **Func** followed by the **LMT** key. [L1] is displayed.

4. Enter the First frequency using the keypad or the control knob.

5. Press **E/VFO** when done. [L2] is displayed.

6. Enter the Second frequency using the keypad or the control knob.

7. Press **SCAN SRC**. The Limited Search will begin, searching upwards from the first frequency to the second in a continuous cycle.

8. To stop the Search, press the **SCAN SRC** key again.

• To change the Search direction rotate the control knob clockwise or counter clockwise.

• The receiver will stay on an active channel according to the Scan Timer settings in the VFO Menu. If the Scan Timer is set to '5 seconds', the receiver will continue Searching after 5 seconds even if the channel is still busy. If the Scan Timer is set to 'Busy', the receiver will remain on the busy frequency for as long as it stays busy, then resume searching when the signal disappears.

NOTE: The Limit Search always searches upwards in frequency. If the first frequency is lower than the second it will search between the two frequencies. If the first frequency is higher then the second it will search outside the two frequencies.

Lower Band Edge — L1 — L2 — Upper Band Edge

Lower Band Edge — L2 — L1 — Upper Band Edge
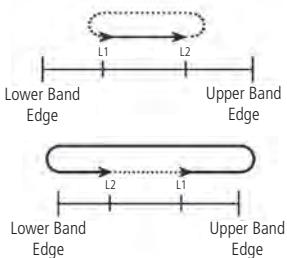
L1 is a higher frequency than L2

1st Frequency	2nd Frequency	Frequencies Searched
40 MHz	50 MHz	40 –> 50 MHz
50 MHz	40 MHz	50 –> 87.975, 30 –> 40 MHz

PRIORITY SEARCH

Priority Search allows you to insert a Priority Channel into the frequency search. When the search is activated, the receiver will visit the Priority channel or frequency at an interval set by the 'Priority Time' in the Menu setup.

To perform a Priority Search using a frequency as the Priority Channel:

1. Enter the required Priority Channel frequency using the Keypad then press **E/VFO**.

2. Press **Func PRI**. The selected frequency is now the Priority Channel.

3. Press **Band/Bank** to select the require frequency band you wish to scan.

4. Press **Scan/Src**. The receiver will begin scanning the selected band and will switch to the Priority channel at an interval set by the 'Priority Time' setting in the setup menu.

5. Press **FUNC PRI** to deselect current priority channel. Follow steps 1-4 to add new priority channel.

To perform a Priority Search using a stored channel as the Priority Channel:

1. Press **Func MR** to select the Memory Read Mode.

2. Press **Bank/Band** to select the required memory bank.

3. Rotate the **Control Knob** to select the required channel.

4. Press **Func PRI**. The selected channel is now the Priority Channel.

5. Press **Band/Bank** to select the require frequency band you wish to scan.

6. Press **Scan/Src**. The receiver will begin scanning the selected band and will switch to the Priority Channel at

an interval set by the 'Priority Time' setting in the setup menu.

• If a signal is received, the receiver will remain on the active frequency for the duration of the 'Busy Timer' setting in the Menu setup. If the 'Busy timer' is set to Busy the receiver will stay on the active channel for as long as the signal is present.

• To change the frequency band while searching, briefly press **Band/Bank** key.

• To change the search direction while searching, rotate the control knob clockwise or counter clockwise.

Dual Watch

The Dual Watch function lets you constantly monitor two frequencies for activity.

To set the Dual Watch function:

1. Enter one of the required frequencies using the Keypad then press **E/VFO**.

2. Adjust the squelch so that the receiver is muted.

3. Press **Func DW**.

4. Enter the second frequency using the Keypad then press **E/VFO**.

5. The Dual watch begins automatically.

If a signal is received, the receiver will remain on the active frequency for the duration of the 'Busy Timer' setting in the Menu setup. If the 'Busy timer' is set to Busy the receiver will stay on the active channel for as long as the signal is present.

To stay on an active frequency indefinitely or to stop the Dual Watch function press **Func DW** again. The receiver will exit the Dual Watch function.

MEMORY BANKS

The scanner memory storage area has a capacity of 1300 locations. These are split into specific segments as follows:

1000 Manual Storage Memories.

200 Automatic Storage Memories.

50 Limited Search Memories (2 x 25 pairs).

50 Dual Watch memories (2 x 25 Pairs).

MANUAL MEMORIES

The Manual Memory area allows the user to manually store up to 1000 individual frequencies. It is split into memory banks with a maximum capacity of 40 memory banks, each containing 25 memory locations (40 x 25 = 1000). However the memory capacity of each bank is flexible up to a maximum of 100 memories per bank, but at a reduction in the number of banks available. For example, in an extreme case where each bank is programmed with the maximum 100 memories, the number of banks available would be reduced to 10

(10 banks x 100 memories = 1000 memory capacity).

The default Manual memory banks are labelled 00 to 39.

AUTOMATIC MEMORIES

The Automatic Memory area can store up to 200 frequencies in two banks of 100 memories. The automatic memory is used when searching a band of frequencies. The scanner can automatically store any active frequencies it finds while searching. The Automatic Memory banks are labelled A0 and A1.

LIMITED SEARCH MEMORIES

The Limited Search Memories consists of 50 memory locations split into 25 pairs of frequencies. The Limited Search function allows you to specify the upper and lower frequency limits of a section of frequency band that you wish to scan. These frequency limit 'pairs' can be stored in the Limited Search memories for recall at a later time.
The Limited Search Memory Upper and Lower limits are identified as A and b. The 25 pairs are therefore labelled A00, b00 to A24, b24.

DUAL WATCH MEMORIES

The Dual Watch function allows the radio to switch between two selected frequencies. The Dual Watch Memories consists of 50 memory locations split into 25 pairs of frequencies.

The two Dual Watch frequencies are identified as A and b. The 25 pairs are therefore labelled A00, b00 to A24, b24.

STORING FREQUENCIES INTO THE MEMORIES

Manual memories

To manually store a frequency into one of the manual memories:

1. Press the **E/VFO** key to select VFO Mode.

2. Press the **BAND** key to select the required Band.

3. Select the frequency that you want to store using the number keys or the control knob.

4. Press **Func MW** to enter the Memory Write Mode.

5. The receiver will find and display an empty memory bank and memory location automatically.

6. If required, use the number keys to select a new memory bank e.g. For memory bank 16 press 1 and 6.

7. To change the memory location, rotate the control knob.

8. Press **Func MW** again to store the frequency.

To recall a frequency from the manual memories:

1. Press the **E/VFO** key to select VFO Mode.

2. Press **Func MR**. The receiver will enter the Memory Read Mode.

3. To step through the memory banks press the **BANK** key or enter the memory bank directly using the numbered keys. Memory banks are numbered 00 to 39.

4. Select the required channel using the control knob.

Automatic Memories

The Automatic Memory holds frequencies that are stored automatically while doing a Band Search.

To store frequencies into the Automatic Memories:

1. Press the **E/VFO** key to select VFO Mode.

2. Select the band and frequency that you wish to begin searching from.

3. Set the Squelch level to a point where the receiver is just quiet.

4. Press **Func AW** to select the Automatic Write Mode.

5. Press the **Bank** key to select the required memory bank (A0 or A1).

6. Press the **SCAN/SRC** key to begin scanning.

7. As active frequencies are found they are automatically stored in the select memory bank. When all 100 channels are fully stored the receiver will Beep.

8. To exit from the Automatic memory Mode, press the **E/VFO** key.

To recall frequencies from the Automatic Memories:

1. Press the **E/VFO** key to select VFO Mode.

2. Press **Func MR**. The receiver will enter the Memory Read Mode.

3. Press the **BANK** key repeatedly to step through the memory banks until A0 or A1 are selected.

4. Select the required channel using the control knob.

Limited Search Memories

Here you will be storing a pair of frequencies that represents the upper and lower limits of a section of frequency band you wish to search for signals.

To store a pair of frequency limits into the Limited Search Memories.

Here you will be storing a pair of frequencies that represents the upper and lower limits of a section of frequency band you wish to search for signals.

To store a pair of frequency limits into the Limited Search Memories.

1. Press the **E/VFO** key to select VFO Mode.

2. Press the **Band** key to select the required band.

3. Enter the frequency that represents one end of the range you wish to search.

4. Press **Func LMT**. L1 will flash on the display to indicate that you are entering the first frequency limit.

5. Press the **E/VFO** key to accept. L2 will flash on the display to indicate you are now entering the second limit frequency.

6. Enter the second frequency limit then press **E/VFO** to accept it.

7. Now press **Func MW**. The receiver enters the Memory Write Mode and selects the Pr memory bank.

8. Use the control knob to select an empty channel to store the frequency pair.

9. Press **Func MW** again to store the frequencies.

The selected frequencies limits will be stored as a pair of channels in locations Axx and bxx where xx is the channel number you selected in step 8.

To recall a frequency limit pair from the Limited Search Memories.

1. Press the **E/VFO** key to select VFO Mode.

2. Press **Func MR**. The receiver will enter the Memory Read Mode.

3. Press the **BANK** key repeatedly to step through the memory banks until **Pr** is displayed.

4. Select the required channel using the control knob.

5. Set the squelch level to a point where the receiver is just quiet.

6. Briefly press **SCAN/SRC**. The radio will begin scanning between the selected frequency limits.

Dual Watch Memories

The Dual Watch memories are used to store a pair of frequencies that will be monitored when the Dual Watch feature is enabled. Up to 50 frequencies (25 pairs) can be stored.

To store a pair of Dual Watch frequency into the Dual Watch Memories.

1. Press the **E/VFO** key to select VFO Mode.

2. Press the **Band** key to select the required band.

3. Adjust the Squelch so the receiver is muted.

4. Enter one of the frequencies that you wish to monitor.

5. Press **Func DW**. The 'D' Dual Watch icon will be displayed.

6. Enter a second frequency using the control knob or the number keys.

7. Press the **E/VFO** key to accept. The Dual Watch function will begin.

8. Now press **Func MW**. The receiver enters the Memory Write Mode and selects the Du (Dual Watch) memory bank.

9. Use the control knob to select an empty channel to store the frequency pair.

10. Press **Func MW** again to store the two frequencies. They will be stored Axx and bxx where xx is the empty channel you selected.

To recall a pair of Dual Watch frequencies from the Dual Watch Memories.

1. Press the **E/VFO** key to select VFO Mode.

2. Set the squelch level to a point where the receiver is just quiet.

3. Press **Func MR**. The receiver will enter the Memory Read Mode.

4. Press the **BANK** key repeatedly to step through the memory banks until **Du** is selected.

5. Select the required channel using the control knob.

6. Briefly press the **SCAN/SRC** key. Dual Watch will begin with the receiver monitoring the channels in the selected Dual Watch memory.

The Menu settings will vary depending on the selected Mode.

· Press the **MENU** Key to access the Menu settings.

· Press the volume ▲ ▼ keys to step through the Menu items.

· Rotate the Control knob to change the values of each Menu item.

VFO Mode

FUNCTION	DESCRIPTION	VALUES
Delay	Determines how long the radio will wait on a frequency after a signal has disappeared while scanning or Searching	1 -10 Seconds
Beep	Activates or deactivates the keypress beeps.	ON, OFF
Step	Sets the Frequency Step in kHz. When Auto is selected the receiver automatically uses a factory preset frequency step for each band.	5, 6.5, 8.33, 9, 10, 12.5, 15, 20, 25, 30, 50,100, 500, Auto
Memory	Shows the available Manual Memory left in the receiver	0 - 1000
Priority Time	Sets how long the receiver will wait before visiting the selected Priority channel when Scanning or Searching	1 – 10 Seconds
Tone	Selects the required CTCSS or DCS tone. The tone is then activated or deactivated by pressing Func TONE	See CTCSS/DCS Table (pg18)
Busy Timer	Determines how long the receiver will wait on a busy channel while Scanning or Searching. When 'Busy' is selected, the receiver will stay on the busy channel as long as it remains busy.	Busy, 5 Seconds

Memory Read Mode

FUNCTION	MEANING	DESCRIPTION
bA Copy	Bank Copy	Copies a bank of frequencies to another Bank
CH Copy	Channel Copy	Copies a frequency from one channel to another
CH Move	Channel Move	Moves a frequency from one channel to another
ALL CLR	All Clear	Erases all memories in the receiver
bA CLR	Bank Clear	Erases all the channels in the selected Bank
CH CLR	Channel Clear	Erases the selected channel

COPYING FREQUENCIES BETWEEN MEMORY BANKS

Bank Copy

To copy one bank of frequencies to another;

1. Select the bank that you would like to copy from by pressing **Func/ MR**.

2. Press Menu, then use the control knob or the volume ▲ ▼ keys to select 'bA Copy'.

3. Press **E/VFO** to accept

4. Now select the bank you wish to copy it to using the number keys or the **BANK/ BAND** key.

5. Press **E/VFO** again to copy the original bank to the new bank. The original bank will remain unchanged.

Channel Copy

To copy one channel to another;

1. Press **Func/MR**.

2. Select the channel that you would like to copy from.

3. Press Menu then use the control knob or the volume ▲ ▼ keys to select 'CH Copy'.

4. Press **E/VFO** to accept. The receiver will then automatically select the next empty channel in the same bank.

5. If you don't wish to use the empty channel selected by the receiver, use the **Control** Knob, number keys or the **BANK/BAND** key to select the preferred channel and bank.

6. Press **E/VFO** again to copy the original channel to the new channel. The original channel will remain unchanged.

Channel Move

To move one channel to another;

1. Select the channel that you would like to move from.

2. Press Menu then use the control knob or the volume ▲ ▼ keys to select 'CH Move.

3. Press **E/VFO** to accept. The receiver will then automatically select the next empty channel in the same bank.

4. If you don't wish to use the empty channel selected by the receiver, use the **Control** Knob, number keys or the **BANK/BAND** key to select the preferred channel and bank.

5. Press **E/VFO** again to move the frequency to the new channel. The original channel will now be empty.

All Clear

To erase ALL data from the memories;

1. Press **Func/MR**

2. Press Menu, then use the control knob or the volume ▲ ▼ keys to select 'ALL CLR'.

3. Press **E/VFO**. 'dEF yES' will be displayed.

4. To continue with the All Clear, press **E/VFO** again.

5. To cancel the All Clear, use the **Control** knob to select 'dEF NO' then press **E/VFO**.

Bank Clear

To erase a channel from the memory;

1. Press **Func/MR**

2. Select a channel within the Bank that you wish to erase.

3. Press MENU, then use the control knob or the volume 5/6 keys to select 'bA CLR'.

4. Press **E/VFO**. 'dEF yES' will be displayed.

5. To continue with the Bank Clear, press **EVFO** again.

6. To cancel the Bank Clear, use the **Control** knob to select 'dEF NO' then press **E/VFO**.

Channel Clear

To erase a channel from the memory;

1. Press **Func/MR.**

2. Select the channel you wish to erase.

3. Press MENU, then use the control knob or the volume ▲ ▼ keys to select 'CH CLR'.

4. Press **E/VFO** to erase the channel.

CLONING STORED MEMORIES WITH ANOTHER UNIT

The memories stored in your receiver can be transferred to or from another RX1300 receiver. To perform this function you will need a cloning cable (available separately).

Cloning is performed as follows:

1. Place the two receivers side by side and connect the cloning cable as shown in the diagram below.

2. Switch both radios on as follows;

   a. On the MASTER unit (the receiver you are copying from) press and hold the **FUNC** and **MODE** keys while turning the unit On. The radio will display **CLON TX**

   b. On the SLAVE unit (the receiver you are copying to) press and hold the **FUNC** and **MODE** keys while turning the unit On. The radio will display **CLON TX**. Rotate the knob to display **CLON RX**.

3. To begin cloning, press the **E/VFO** key on BOTH radios.

4. **DATA TX** is displayed on both radios and the radio beeps as each memory bank is cloned.

5. When cloning is completed both radios display **CLON OK**.

6. If cloning fails, **FAIL** will be displayed on the MASTER radio. To try again, repeat step 3.

If repeated cloning attempts fail, repeat the entire procedure from step 1.

Once cloning has completed successfully, switch both radios off and remove the cloning cable. You can now switch the cloned (SLAVE) radio on and access the frequencies you have transferred.
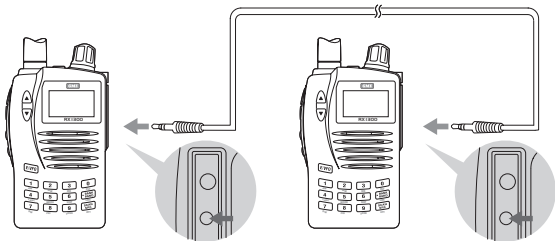
DCS TONE FREQUENCIES

CH	CODE	CH	CODE	CH	CODE	CH	CODE
1	023	27	152	53	311	79	466
2	025	28	155	54	315	80	503
3	026	29	156	55	325	81	506
4	031	30	162	56	331	82	516
5	032	31	165	57	332	83	523
6	036	32	172	58	343	84	526
7	043	33	174	59	346	85	532
8	047	34	205	60	351	86	546
9	051	35	212	61	356	87	565
10	053	36	223	62	364	88	606
11	054	37	225	63	365	89	612
12	065	38	226	64	371	90	624
13	071	39	243	65	411	91	627
14	072	40	244	66	412	92	631
15	073	41	245	67	413	93	632
16	074	42	246	68	423	94	654
17	114	43	251	69	431	95	662
18	115	44	252	70	432	96	664
19	116	45	255	71	445	97	703
20	122	46	261	72	446	98	712
21	125	47	263	73	452	99	723
22	131	48	265	74	454	100	731
23	132	49	266	75	455	101	732
24	134	50	271	76	462	102	734
25	143	51	274	77	464	103	743
26	145	52	306	78	465	104	754

CTCSS TONE FREQUENCIES

CTCSS	Frequency Hz	CTCSS	Frequency Hz	CTCSS	Frequency Hz
1	67.0	14	107.2	27	167.9
2	71.9	15	110.9	28	173.8
3	74.4	16	114.8	29	179.9
4	77.0	17	118.8	30	186.2
5	79.7	18	123.0	31	192.8
6	82.5	19	127.3	32	203.5
7	85.4	20	131.8	33	210.7
8	88.5	21	136.5	34	218.1
9	91.5	22	141.3	35	225.7
10	94.8	23	146.2	36	233.6
11	97.4	24	151.4	37	241.8
12	100.0	25	156.7	38	250.3
13	103.5	26	162.2		

STANDARD COMMUNICATIONS CONTRACT WARRANTY

1. STATUTORY WARRANTIES

1.1 The Trade Practices Act Part V, Division 2A and other legislation imply conditions, warranties and other obligations on us to consumers that cannot be excluded, restricted or modified. Those provisions apply to the extent required by law.

1.2 We exclude all other conditions, warranties and obligations which would otherwise be implied concerning the activities covered by this agreement.

1.3 We limit our liability where we are allowed to do so. Examples of where we are allowed to limit liability are -
   (a) you acquire goods from us for re-supply;
   (b) the goods or services we supply are not of a kind ordinarily acquired for personal, domestic or household use or consumption.

1.4 Where we are allowed to limit our liability, to the extent permitted by law, our sole liability for breach of a condition, warranty or other obligation implied by law is limited.
   (a) in the case of goods we supply, to any one of the following as we decide -
   (i) the replacement of the goods or the supply of equivalent goods;
   (ii) the repair of the goods;
   (iii) the payment of the cost of repairing the goods or of acquiring equivalent goods;
   (iv) the payment of the cost of having the goods repaired; or
   (b) in the case of services we supply, to any one of the following as we decide -
   (i) the supplying of the services again;
   (ii) the payment of the cost of having the services supplied again.

2. ADDITIONAL WARRANTIES

2.1 The warranties in this clause are in addition to the statutory warranties referred to in the previous clause.

2.2 We warrant our goods to be free from defects in materials and workmanship for one year from the date of original sale (or another period we agree to in writing). During this period and as our sole liability to you under this warranty, we agree to, at our option, either repair or replace goods which we are satisfied are defective. We warrant replacement parts for the remainder of the period of warranty for the goods into which they are incorporated.

2.3 We warrant our other repairs to be free from defects in materials and workmanship for three months from the date of the original repair. During this period and as our sole liability to you for the repair, we agree to repair or replace (at our option) repaired goods which we are satisfied are defective.

2.4 We warrant that we will perform services with reasonable care and skill and agree to investigate any complaint made in good faith that we have performed services unsatisfactorily. If we are satisfied that the complaint is justified, and as our sole liability to you under this warranty, we agree to supply those services again at no extra charge to you.

2.5 If you want warranty service under this clause you must give us an original or copy of the sales invoice from the transaction or some other evidence showing details of the transaction.

3. OTHER LIMITATIONS

3.1 You may not rely on any representation, warranty or other provision by or for us which is not covered by clause [1] or repeated in this agreement in clear terms.

3.2 We are not liable (nor are our employees, contractors and agents) for any damage, economic loss or loss of profits whether direct, indirect, general, special or consequential -

    (a) arising out of any breach of any implied or express term, condition or warranty; or

    (b) suffered as a result of our negligence (or that of our employees, contractors or agents)

    apart from liability as set out in the previous two clauses.

3.3 The liability of a party under this agreement (whether arising in contract, tort or by statute) is to be reduced by the same proportion as represents the proportion of the loss or damage caused or contributed to by the other party, its contractors or agents.
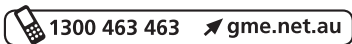
GME AFTER SALES SERVICE

Your GME RX1300 is especially designed for the environment encountered in mobile or portable applications. The use of all solid state circuitry, careful design and rigorous testing, result in high reliability. Should failure occur however, GME maintain a fully equipped service facility and spare parts stock to meet the customer's requirements long after expiry of the warranty period.

SPECIFICATIONS

Frequency Range: 150 kHz – 1309.995 MHz continuous

Frequency Steps: (kHz) 5, 6.25, 8.33, 9, 10, 12.5, 15, 20, 25, 30, 50, 100, 500

Memory Banks: 1000 Manual Storage Memories

200 Automatic Storage Memories
50 Limited Search Memories
50 Dual Watch memories

Sensitivity: 150 kHz to 495 kHz : -112dBm

504 kHz to 1.620 MHz : -112dBm
1.625 MHz to 29.995 MHz : -116dBm
30 MHz to 87.975 MHz : -120dBm
88 MHz to 107.950 MHz : -110dBm
108 MHz to 135.975 MHz : -120dBm
136 MHz to 255.100 MHz : -120dBm
255.1125 MHz to 382.100 MHz : -120dBm
382.125 MHz to 769.800 MHz : -116dBm
769.8125 MHz to 960.100 MHz : -112dBm
960.125 MHz to 1309.975 MHz : -110dBm

Battery: 3.7 V 1900 mAh Lithium Ion Rechargeable

Specifications are typical unless otherwise indicated and may be subject to change without notice or obligation.