

YAESU

Radio for Professionals

HF/50/144/430MHz ALL MODE TRANSCEIVER

FTX-1 series

Instruction Manual (GM Edition)

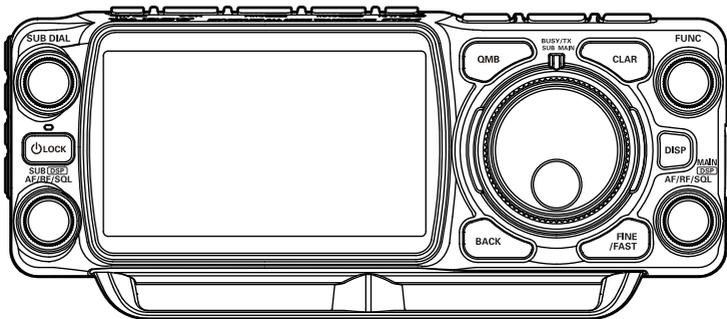


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What is the GM Function?

The GM (Group Monitor) function automatically monitors on the same frequency for any other stations with the GM function in operation, or stations operating in DN mode, within communication range. The GM function then displays the acquired direction and distance information for each detected call sign on the screen.

If the DG-ID number is other than “00”, the GM function will check for partner stations set to the same DG-ID number, with the GM function turned ON, that are within communication range.

In addition to knowing who is in the service area, the APL (Automatic Position Locating) screen indicates the positions of the group members, centered on your own station (up to nine are simultaneously displayed). The direction and progress of each station is displayed, and you can check each other’s position, distance, and moving direction.

You can also use GM functions to send data such as messages with your friends.



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- When the GM function is activated, the operating band is automatically switched to the Main band, and the communication mode is switched to the C4FM digital (DN) mode.
 - To use the GM function, all of the members must operate on the same frequency.
 - Note that when the receive DG-ID number of your transceiver is set to a DG-ID number other than “00”, received signals that do not have the same DG-ID number may not be heard.
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Insert a commercially available micro-SD card into this unit to send and receive messages and images.

Usable microSD Memory Cards



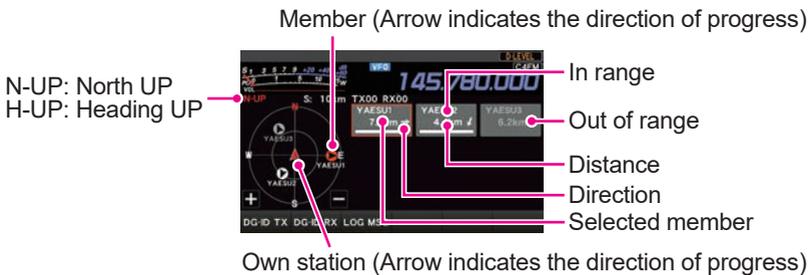
This transceiver only supports the following capacity of microSD and microSDHC memory cards.

- 2GB • 4GB • 8GB • 16GB • 32GB

Not all microSD and microSDHC cards sold commercially are guaranteed to work with this product. In addition, microSDXC memory cards are not supported.

GM Operation

1. Tune to the frequency used by the group that you would like to communicate with.
 - If you only want to check your group location information, touch [DG-ID TX] or [DG-ID RX], then rotate the FUNC knob set the send (DG-ID TX) and receive (DG-ID RX) DG-ID numbers to the same numbers except "00" at all the partner stations.
 - The frequency cannot be changed while the GM function is operating.
2. Press the [GM] key.
 - The callsign and signal strength of stations (up to 24) operating in the DN mode and those with their GM function in operation, that are within communications range, will be displayed.
 - Stations within the sphere of communications callsigns are displayed in white.
 - Stations outside the sphere of communications callsigns are displayed in gray.
 - You can communicate in DN mode of C4FM digital by pressing the PTT switch.

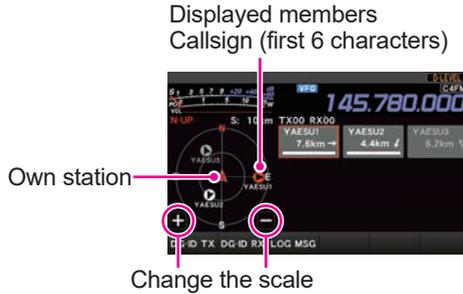


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- Cannot update the location information of the partner stations outside of communication range.
 - If your station or your partner stations do not set the location information manually or capture it from the GPS satellite signals, the compass display is not available.
 - GPS location information may have an error of several hundred meters depending on the surrounding environment and so on.
 - This function is a simple function using GPS satellite data. Use this as a guide for the position of your own station or partner station.
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Display the APL (Automatic Position Locating) screen

The positions of up to nine group stations are displayed on the APL (Automatic Position Locating) screen, centered on your own station. The direction and progress of each station is displayed, and you can check each other's position, distance, and moving direction.

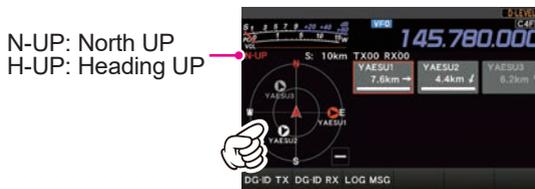


- The direction of members will be displayed on the compass screen, centered on your own station. The traveling direction of your own and member stations is indicated on the compass screen.
- The scale of the compass screen is automatically set according to the distance of the selected member station. Touch “+” or “-” to change the scale.
- The maximum distance at which a member's position can be displayed on the compass screen is a radius of 1,000mi (or 1,000km).

Switch the compass screen display method

Touch compass area to select the screen display method (direction toward the top of the screen) from “North UP” or “Heading UP”.

The default setting is “North UP”.



Checking Received Messages

Use the GM function to check the messages on the LOG list.



When using a GM function, a beep sounds when a new message is received.

1. Press the **[GM]** key.
2. Touch **[LOG MSG]** to display the LOG MESSAGE list.



3. Rotate the **[FUNC]** knob to select the message to be displayed, then touch the message.
 - The selected message will be displayed.



- Rotate the **[FUNC]** knob to select the message, touch **[DELETE]** to display "DELETE?". Touch **[OK]** to delete the information.



Sending messages

Creating and sending a new message

Create and send a new message:

1. Press the **[GM]** key.
2. Touch **[LOG MSG]** to display the LOG MESSAGE list.



3. Touch **[NEW]**, then touch **[EDIT]**.
Displays the message entry screen.



4. Touch the characters on the screen to enter a message.



5. When input is complete, touch **[ENT]**.
The entire message is displayed.
6. Touch **[SEND]**.
7. Touch **[ALL]**.
 - To send the message to a specific member that is within communication range, select the member callsign.



- Messages cannot be sent to members outside of communication range.
- The address designation "to:" is merely for displaying "ALL" or the call sign of a specific station. In other words, even if you specify a call sign for "to:" to send a message, other stations operating GM on the same frequency can also read the message if they are within the communication range.

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