YAESU
The radio

HF/VHF/UHF ALL MODE TRANSCEIVER

C4FM/FM

FT-991A

INSTRUCTION MANUAL

(GM Edition)

Thank you for purchasing this Yaeau product.
This instruction manual explains operations and settings associated with the "GM Function" .
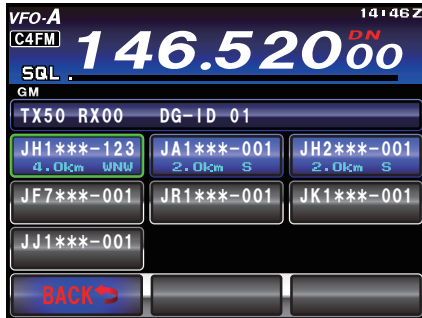For information on basic operation of the transceiver, please refer to the FT-991A Operating Manual.

INTRODUCTION

TABLE OF CONTENTS

WHAT IS THE GM FUNCTION?

The GM (group monitor) function monitors the set frequency to find if there are any stations operating with the GM function within communication range.

The **FT-991A** can then display the position, distance and other information for each member call sign on the screen.

Besides identifying GM stations that are within the sphere of communications, the GM function is also a convenient method to instantly note the relative positions of all the members.

❏ The call sign, the distance and the direction of up to 24 stations operating with the GM function ON, and that are within the communication range, may be tracked.

❏ When DG-ID is set to "00", all received C4FM digital information will be displayed.

❏ When the DG-ID is set to other than "00", only digital information on C4FM signals containing the same DG-ID is displayed.

NOTE:

To utilize the GM function, all members must operate on the same frequency.
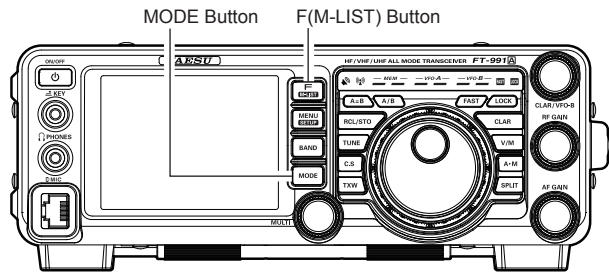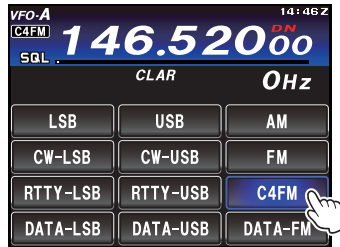
ADVICE:

The GM function does not work in the analog FM mode.
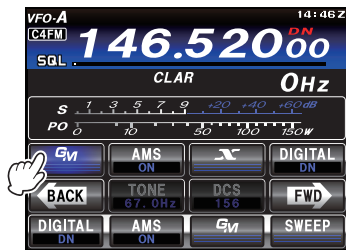
USING THE GM FUNCTION

BASIC METHODS TO USE THE GM FUNCTION

Displaying all the Stations where the GM Function is in Operation

1. Press the **MODE** button, and then touch the corresponding C4FM key on the LCD to set the operating mode. The "**C4FM**" icon appears in the display.

2. Set the desired operating frequency.
3. Press the **F(M-LIST)** button, then touch [**GM**] on the LCD.

Up to 24 stations operating with the GM function within the sphere of communications will be listed on the TFT display.

The call sign and position and distance of stations operating in the DN mode with the GM function in operation that are within communications range, will be displayed.
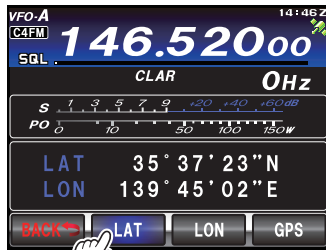
ADVICE:
❒ Stations within the sphere of communications are displayed in blue.
❒ Stations outside the sphere of communications are displayed in grey.
❒ The display may be switched to show either the distance and direction information, or the signal strength information. See page 7.
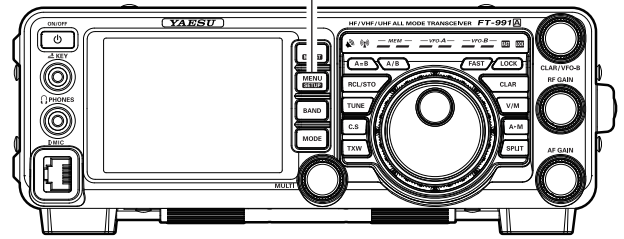
NOTE:
The distance and direction information are displayed only when the locations of this station and the other stations have been registered to the transceivers memories. For details on how to register the location information, see page 5.

MODE Button   F(M-LIST) Button

4. Touch [**BACK**] on the LCD. The GM function will be turned off and the display will return to the previous screen.

USING THE GM FUNCTION
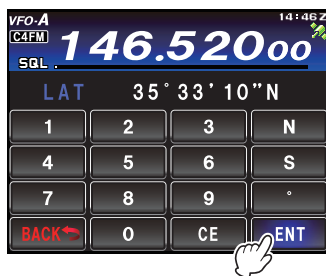
ENTERING THE LOCATION INFORMATION MANUALLY

1. Press and hold the **MENU(SETUP)** button.
2. Touch [**LAT/LON**] on the LCD.
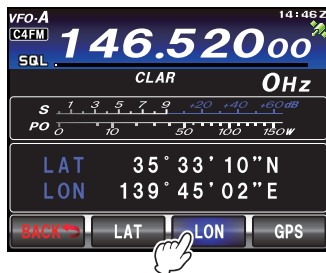3. Touch [**LAT**] on the LCD.

MENU(SETUP) Button

4. Enter the latitude, then touch [**ENT**] followed by [**BACK**].

5. Touch [**LON**] on the LCD.

6. Enter the longitude, then touch [**ENT**] followed by [**BACK**].

7. Press the **MENU(SETUP)** button to exit to normal operation.

Set-up Menu List for the GM Function

No.	Menu Function	Available Settings	Default Value
087	RADIO ID	Displays the unique transceiver ID (The ID is exclusive to each transceiver and cannot be changed.)	*****
088	GM DISPLY	DISTANCE/STRENGTH	DISTANCE
089	DISTANCE	km/mile	mile

Using the Menu for the GM Function
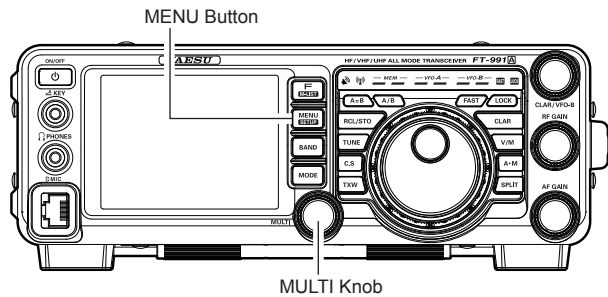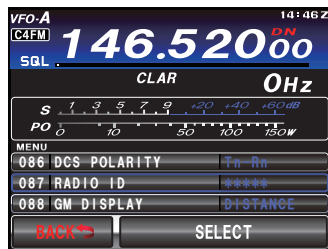
Specific ID Display by Transceiver

You can check the unique ID (5-digit number) assigned to each transceiver when it was first shipped from the factory. The ID cannot be changed.

ADVICE:

The ID is a code to identify transceivers that support the GM function. It is sent separately from the call sign during digital communication.

1. Press the **MENU(SETUP)** button to enter the Menu mode.
2. Rotate the **MULTI** knob to select Menu item "087 RADIO ID".

   A 5-digit radio ID will be displayed in the setting field of menu item [087 RADIO ID].
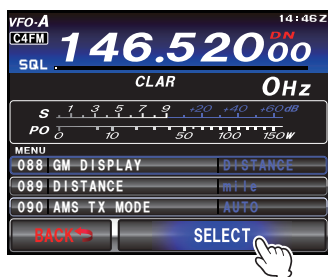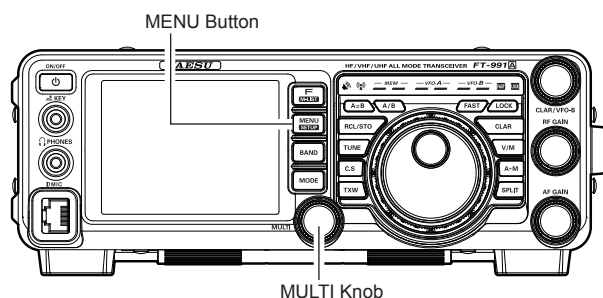
MENU Button

MULTI Knob

USING THE MENU FOR THE GM FUNCTION

Switching the Information of the Other Stations

The information received from other stations that is displayed on the screen can be toggled between "distance and direction" and "signal strength".

1. Press the **MENU(SETUP)** button to enter the Menu mode.
2. Rotate the **MULTI** knob to select Menu item "088 GM DISPLAY".
3. Touch [**SELECT**] on the LCD, then rotate the **MULTI** knob to select the information of partner stations that you would like to be displayed.

MENU Button

MULTI Knob

4. Touch [**ENTER**] on the LCD, then touch [**BACK**] on the LCD or press the **MENU** button to save the new setting and exit to normal operation.

❏ "Distance and Direction" display
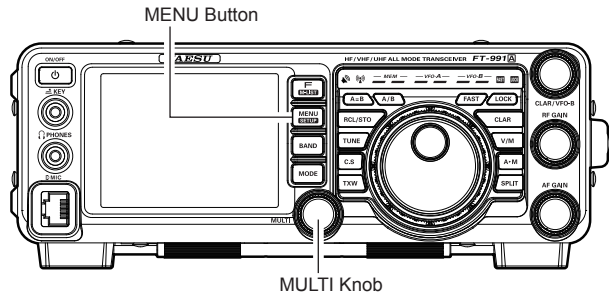

❏ "Signal strength" display

Set-up Menu for the GM Function

Using the Menu for the GM Function

Setting the Distance Unit

When displaying the distance between your station and the other stations, the distance unit can be set to "km" or "mile".

1. Press the **MENU(SETUP)** button to enter the Menu mode.
2. Rotate the **MULTI** knob to select Menu item "089 DISTANCE".
3. Touch [**SELECT**] on the LCD, then rotate the **MULTI** knob to select the distance unit that you would like to be displayed.

MENU Button

MULTI Knob

4. Touch [**ENTER**] on the LCD, then touch [**BACK**] on the LCD or press the **MENU** button to save the new setting and exit to normal operation.

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1710-B