

Using the convenient Digital C4FM feature

About the Digital Group ID (DG-ID) feature

1. Digital Group ID (DG-ID) function allows communications with only the specific group members using the two-digit ID numbers. The desired DG-ID number from 00 to 99 is set in advance by all the group members. This ID number may be set separately for transmit and receive, when the same ID number is set for both transmit and receive, only group members with the same ID number will be heard. This feature may be used to communicate only with group members that have the same DG-ID number. The GM function may also be utilized to automatically monitor whether or not group member stations with the same DG-ID number are operating within communication range.

The DG-ID number 00 detects signals with all ID numbers. Normally setting the ID number to “00” for both transmit and receive will permit reception of the signals from all other stations using the digital C4FM mode, regardless of the transmit DG-ID number settings of the other stations.

Also 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.

2. When accessing the C4FM digital repeater controlled by the DG-ID number, set the transmit DG-ID number of the FT-70DR/DE to that of the repeater input. Even in that case, if the receive DG-ID number of the FT-70DR/DE is set to “00”, all the downlink signals from the repeater may be received.

Communicating with the DG-ID feature



- Digital C4FM mode transceivers compatible with the DG-ID function are required in order to utilize this function.
- If the firmware is not compatible with the DG-ID function, update the latest firmware to use the DG-ID function. The latest firmware is available on the YAESU website.

Setting the transmit and receive DG-ID number to “00” for communicating with all other stations using C4FM digital mode

1. Press and hold the [MODE] key.
 - The DG-ID number setting screen appears and the transmit DG-ID number “T00” blinks.
 - If the transmit DG-ID number is not set to “T00”, rotate the DIAL knob to set “T00”.



2. Press to the [MODE] key again and the receive DG-ID number “R00” will blink.

If the receive DG-ID number is not set “R00”, rotate the DIAL knob to set “R00”.



3. Press and hold the [MODE] key, or press the PTT switch to save the setting and return to the normal operation.

The setting is complete.

4. To check whether or not other stations are operating within communications range, press the **[GM]** key to turn the GM (Group Monitor) function ON.
 - The other stations also need to turn the GM (Group Monitor) function ON.
 - While operating with the GM (Group Monitor) function, “Operating Frequency”, “GROUP” and “DG-ID number” are shown repeatedly on the LCD.
5. Press the **[GM]** key to turn the GM (Group Monitor) function OFF and return to the normal operation.
 - While setting the DG-ID number, pressing and holding the **[HM/RV]** key will set the transmit and the receive DG-ID numbers to “00”.



- If the receive DG-ID is set to a number other than “00”, only signals with that DG-ID will be received. Normally, set the receive DG-ID number to “00” except when communication is desired only with group members.
- The transmit and receive DG-ID default number is set to “00”.

Communicating only with the specific members by setting the DG-ID number except for “00”

Example Set the DG-ID number of to “50”

1. Press and hold the **[MODE]** key.
 - The DG-ID number setting screen appears and the transmit DG-ID number “T00” blinks.
 - Rotate the **DIAL** knob to set the transmit DG-ID number to “T50”.
2. Press to the **[MODE]** key again to blink the receive DG-ID number “R00”.
 Rotate the **DIAL** knob to set the reception DG-ID number to “R50”.



3. Press and hold the **[MODE]** key or press the **PTT** switch to save the setting and return to normal operation.
 Tuning to the same frequency and setting the same DG-ID for all the group members will enable communication between the members and exclude other signals.
4. Press the **[GM]** key to turn the GM (Group Monitor) function ON and check whether or not other stations that are operating on frequency, with the GM (Group Monitor) function ON, and have the same GD-ID number setting, are in the communication range.
 - The other stations also need to turn the GM (Group Monitor) function **ON**.
 - During operating on the GM (Group Monitor) function, “Operating Frequency”, “GROUP” and “DG-ID number” are shown repeatedly on the LCD.
5. Press the **[GM]** key to turn the GM (Group Monitor) function OFF and return to the normal operation.
 - While setting the DG-ID number, pressing and holding the **[HM/RV]** key will set the transmit and the receive DG-ID numbers to “00”.



- If the receive DG-ID is set to a number other than “00”, only signals with that DG-ID will be received. Normally, set the receive DG-ID number to “00” except when communication is desired only with group members.