Setting up DG-ID on FTM-300

The mobiles all work similarly so the instructions here may also be of assistance with radios like: FTM-200, FTM-400, FTM-500. Please see your manual for detailed instruction.

With the software, the easiest way to accomplish the two DG-IDs is to duplicate the one you already have in the radio.

Using software, I recommend you read the data from the radio as it exists now so you don't inadvertently change your call sign or other data the is current and correct on the radio. If you are using the cable, follow your radios procedure to read from radio. It is faster to use the SD card however, that adds a couple of steps.

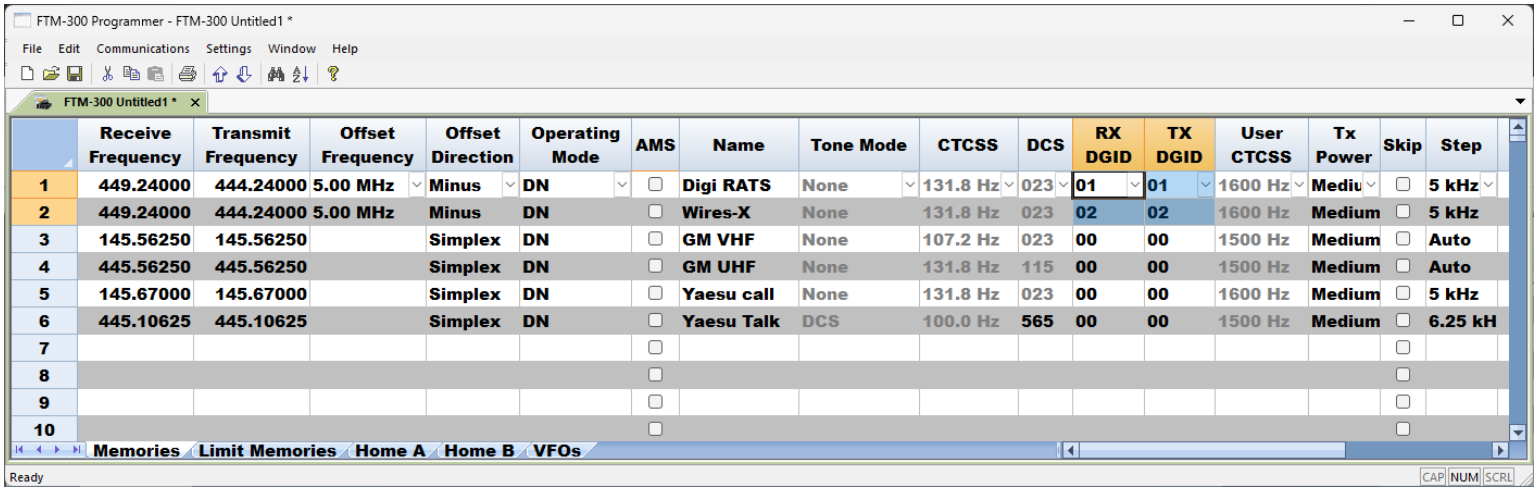
On the radio, select the SD card item and save all to the card. Turn off the radio and remove the card. Insert into computer and read from SD card on the software. Now make the changes and save the file on the computer. Send to SD card, put it back in the radio. Power it up and select SD card read all. The radio will restart.

1) In this case the P1 line which has a name of Digi RATS can be selected, copied and then pasted into an empty channel. If you want them next to each other and there is already a frequency in the next one to the Digi RATS channel, select the row below, right click and select Insert Channel. Now select the channel that has Digi RATS, right click, copy then select the empty channel, right click and past.

You now have two channels on the same frequency and labeled the same.

2) Go back to the 1st Digi RATS and change the RX DGID to 01 and the TX DGID to 01.

3) Now go to the 2nd Digi RATS channel, change the name to Wires-X and change the RX DGID to 02 and the TX DGID to 02.



	Receive Frequency	Transmit Frequency	Offset Frequency	Offset Direction	Operating Mode	AMS	Name	Tone Mode	CTCSS	DCS	RX DGID	TX DGID	User CTCSS	Tx Power	Skip	Step
1	449.24000	444.24000	5.00 MHz	Minus	DN		Digi RATS	None	131.8 Hz	023	01	01	1600 Hz	Mediu		5 kHz
2	449.24000	444.24000	5.00 MHz	Minus	DN		Wires-X	None	131.8 Hz	023	02	02	1600 Hz	Medium		5 kHz
3	145.56250	145.56250		Simplex	DN		GM VHF	None	107.2 Hz	023	00	00	1500 Hz	Medium		Auto
4	445.56250	445.56250		Simplex	DN		GM UHF	None	131.8 Hz	115	00	00	1500 Hz	Medium		Auto
5	145.67000	145.67000		Simplex	DN		Yaesu call	None	131.8 Hz	023	00	00	1600 Hz	Medium		5 kHz
6	445.10625	445.10625		Simplex	DN		Yaesu Talk	DCS	100.0 Hz	565	00	00	1500 Hz	Medium		6.25 kH
7																
8																
9																
10																

If you're not using software but instead entering the information by hand, go to the existing Digi-RATS channel, long press on the GM button then using the knob, change both the Tx and Rx to 01 then use the back button to get out of that setting. Next, create a new channel the way you enter any previously entered frequency and set it up as DN with DG-ID to 02 for both Tx and Rx and label this one as Wires-X.

THESE INSTRUCTIONS ARE BASED ON THE FTM-300. OTHER RADIOS MAY ACCESS FEATURES IN DIFFERENT WAYS.

**** PLEASE SEE YOUR MANUAL FOR DETAILS. ****

Setting up DG-ID on FT-5D

Software is the easiest way to create the second frequency and change their DG-ID's.

I recommend you read the data from the radio as it exists now so you don't inadvertently change your call sign or other data the is current and correct on the radio. If you are using the cable, follow your radios procedure to read from radio. It is faster to use the SD card however that adds a couple of steps.

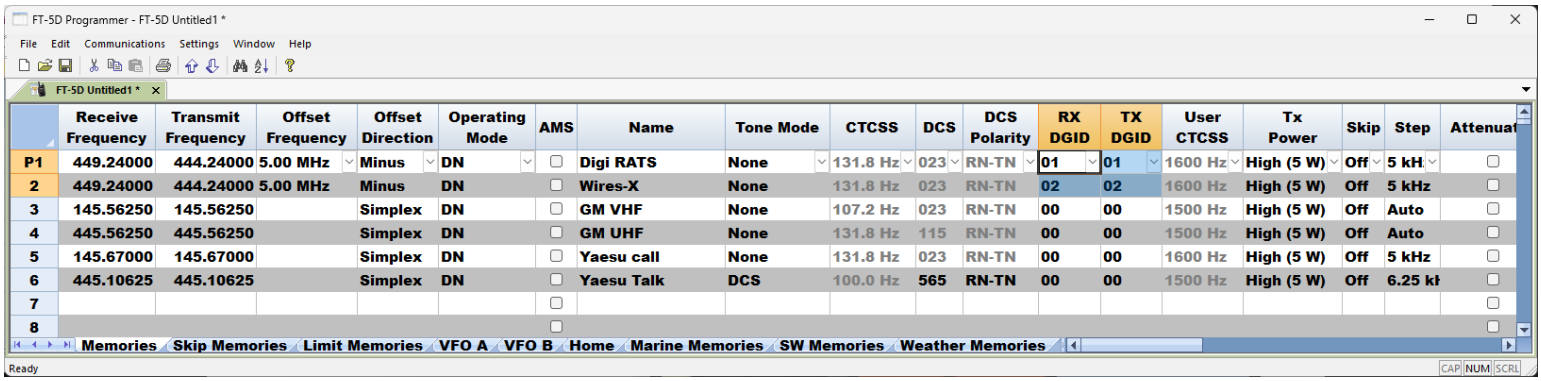
On the radio, select the SD card item and save all to the card. Turn off the radio and remove the card. Insert into computer and read from SD card on the software. Now make the changes and save the file on the computer. Send to SD card, put it back in the radio. Power it up and select SD card read all. The radio will restart.

1) In this case the P1 line which has a name of Digi RATS can be selected, copied and then pasted into an empty channel. If you want them next to each other and there is already a frequency in the next one to the Digi RATS channel, select the row below, right click and select Insert Channel. Now select the channel that has Digi RATS, right click, copy then select the empty channel, right click and past.

You now have two channels on the same frequency and labeled the same.

2) Go back to the 1st Digi RATS and change the RX DGID to 01 and the TX DGID to 01.

3) Now go to the 2nd Digi RATS channel, change the name to Wires-X and change the RX DGID to 02 and the TX DGID to 02.



	Receive Frequency	Transmit Frequency	Offset Frequency	Offset Direction	Operating Mode	AMS	Name	Tone Mode	CTCSS	DCS	DCS Polarity	RX DGID	TX DGID	User CTCSS	Tx Power	Skip	Step	Attenuat
P1	449.24000	444.24000	5.00 MHz	Minus	DN	☐	Digi RATS	None	131.8 Hz	023	RN-TN	01	01	1600 Hz	High (5 W)	Off	5 kH	☐
2	449.24000	444.24000	5.00 MHz	Minus	DN	☐	Wires-X	None	131.8 Hz	023	RN-TN	02	02	1600 Hz	High (5 W)	Off	5 kHz	☐
3	145.56250	145.56250		Simplex	DN	☐	GM VHF	None	107.2 Hz	023	RN-TN	00	00	1500 Hz	High (5 W)	Off	Auto	☐
4	445.56250	445.56250		Simplex	DN	☐	GM UHF	None	131.8 Hz	115	RN-TN	00	00	1500 Hz	High (5 W)	Off	Auto	☐
5	145.67000	145.67000		Simplex	DN	☐	Yaesu call	None	131.8 Hz	023	RN-TN	00	00	1600 Hz	High (5 W)	Off	5 kHz	☐
6	445.10625	445.10625		Simplex	DN	☐	Yaesu Talk	DCS	100.0 Hz	565	RN-TN	00	00	1500 Hz	High (5 W)	Off	6.25 kH	☐
7						☐												☐
8						☐												☐

Save the file and send back to the radio either by SD card or wire.

If you're entering by hand on the radio, enter a new frequency as you would any other. Remember to set the new one to DN, give it a name like Wires-X with 449.240 MHz. Press the F / Menu key quickly find the DG-ID item and change to DGID Tx & Rx to 02. Then save this to the channel # of your choosing. Then select the previously existing Digi-RATS channel, and change the DG-ID to 01.

Once completed, save to the SD card.

Setting up DG-ID on FT-70D

Software is the easiest way to create the second frequency and change their DG-ID's.

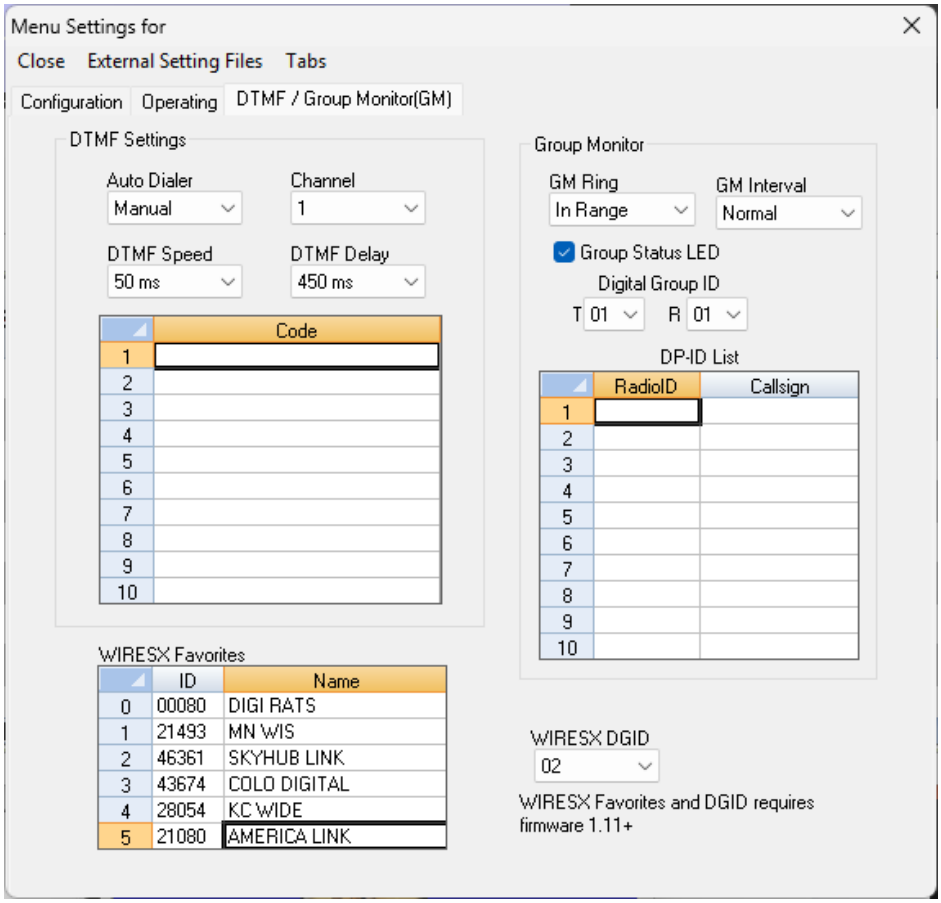
I recommend you read the data from the radio as it exists now so you don't inadvertently change your call sign or other data the is current and correct on the radio. Using the cable, follow your radios procedure to read from radio.

The FT-70D manages DG-ID's a little differently than other radios. The DG-ID is set for the entire radio while the Wires-X is handled separately.

Unlike the other radios, you can NOT create different channels on your radio to accomplish the separation between local QSO's and Wires-X.

This example is using RT Systems Software. Other software may work differently and/or be accessed differently.

Go to Radio Menu Settings then go to the DTMF / Group Monitor/GM tab.



Please note on the top right the Digital Group ID is set to Transmit 01 Receive 01.
At the bottom right WIRES-X DG-ID is set to 02. To save changes, go to the close tab.

You already have the clubs repeater 449.240 MHz in your radio. While on that frequency you need to do nothing more to communicate digitally in the Coachella Valley.

More on next page….

While on the same frequency, to use Wires-X, press the “F” key then the “AMS” to handshake with Wires-X. Remember to keep the antenna vertical. Once on the handshake screen you will see the room the repeater is connected to. As long as you stay in this mode the radio will operate on DGID 02 to allow you to talk on Wires-X and change rooms. To exit a **ROOM, press and hold the BAND key**. In 30 seconds or so, the repeater will return to the club room 00080. To exit the **Wires-X mode, press and hold the MODE key.**