



Icom America Inc.

Quick Reference Tutorial



▲ IC-F3161DT/T

▲ IC-F4161DS/S



IDAS

ICOM DIGITAL ADVANCED SYSTEM

DIGITAL FEATURES

Programming for Radio Check



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Before You Program

Desired Action:

- Radio Check enables you to check whether a target radio is powered on and within range.

Assumptions:

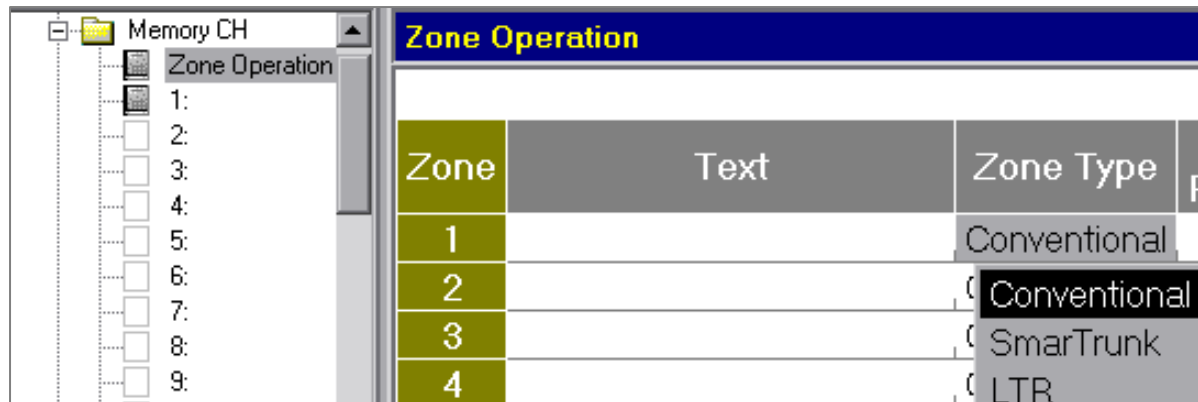
- Proper frequencies are entered
- Proper RAN codes are entered
- Proper squelch is set
- Radio is 6.25kHz capable (UT-119H/126H).



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Programming Radio Check

Go to **Zone Operation** and set **Zone Type** to **Conventional**.





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Programming Radio Check

In Memory Channel 1, set **CH Type** to **Digital**.

The screenshot shows a software interface for programming a radio. On the left, a tree view shows 'Memory CH' with 'Zone Operation' and '1:' selected. The main area displays a table for 'Zone 1: (Left CH - 496)'. The table has columns for CH, Auto Scan, CH Type, Auto Reset, and CH Mute. Channel 1 is highlighted, and its CH Type is set to Digital. A dropdown menu is open for the CH Type column, showing options: Analog, Mixed-Ana : Mixed & TX=Analog, Mixed-Digi : Mixed & TX=Digital, and Digital (which is highlighted).

CH	Auto Scan	CH Type	Auto Reset	CH Mute
1- 1		Digital	Tim-B	OR
1- 2		Analog		
1- 3		Mixed-Ana : Mixed & TX=Analog		
1- 4		Mixed-Digi : Mixed & TX=Digital		
1- 5		Digital		



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Programming Radio Check

- In **Digital** -> **Unit ID**, enter your radio ID.
- Set **Squelch Type** to **Sel** (Selective), if you want the squelch to open with the proper RAN *and* Talk Group or Individual ID.

Zone 1: (Left CH - 496)							
Digital							MDC
CH	Log	RX RAN	TX RAN	Unit ID	Talkgroup List No.	Squelch Type	System
1- 1		1	<-	1004	1	Sel	
1- 2						OFF : OFF	
1- 3						RAN : RAN	
1- 4						: Selective	
1- 5							
1- 6							



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Programming Radio Check

- Go to **Digital -> Individual -> Individual ID..**
- Enter all Individual ID Names and numeric IDs of the other radios in the system you wish to contact. This alias list is used when selecting other radios for Selective Calling, Call Alerts, etc.

The screenshot shows the LMR software interface. On the left, a tree view shows the navigation path: LMR > Digital > Individual > Individual ID List. The main window displays a table titled "Digital - Individual - Individual ID List".

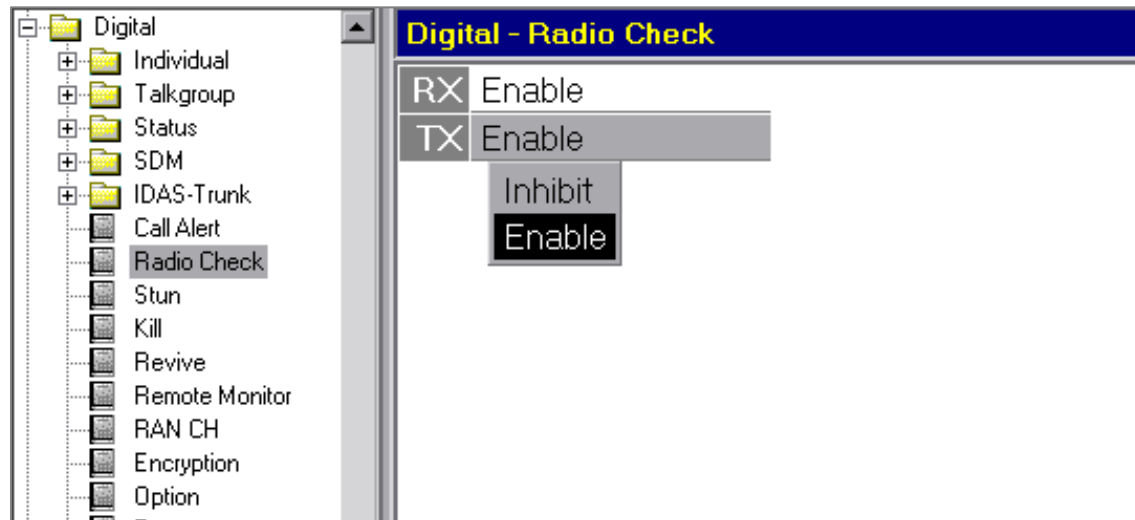
Digital - Individual - Individual ID List		
ID		
No.	ID	ID Name
1	1001	John
2	1002	Paul
3	1003	George
4	1004	Ringo
New		



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Programming Radio Check

- In the **Radio Check** window, set **RX** and **TX** to **Enable**.





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Programming Radio Check

- Go to **Common** -> **Key & Display** and assign a **Digital Button** to one of the programmable keys.

Key & Display Assign		
Key		
Mobile / Portable		Conventional
P0 /	P0	Digital Button
P1 /	P1	Null
P2 /	P2	Null
P3 /	P3	Null
P4 /	Side1	Null
Up /	Side2	CH Up
Down /	Side3	CH Down
OPF0 /	Emer	Null

- Write the file into the radio.
- The radio is now enabled for Radio Check.



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Programming Radio Check

To Send a Radio Check

1. Press *and hold* the key assigned for Digital calls. The display will briefly show INDIVIDUAL or TALKGROUP.
2. If the selection is TALKGROUP, press and hold the key again, then press and hold to select INDIVIDUAL.
3. Press the up/down keys to select RADIOCHK.
4. Press the programmed key again to bring up the list of individual IDs.
5. Scroll to the desired radio ID by pressing the Up/Down keys.
6. Press PTT. If successful, your display will show CHK ACK. If it failed, your display will show CHK FAIL.