



Icom America Inc.

# Quick Reference Tutorial



▲ IC-F3161DT/T

▲ IC-F4161DS/S



# IDAS

ICOM DIGITAL ADVANCED SYSTEM

## DIGITAL FEATURES

Programming for **Select Call**  
using Talk Group IDs



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## Before You Program

### Desired Action:

- Talk groups allow you to call a selected group of radios, excluding others that are on the same frequency.

### Assumptions:

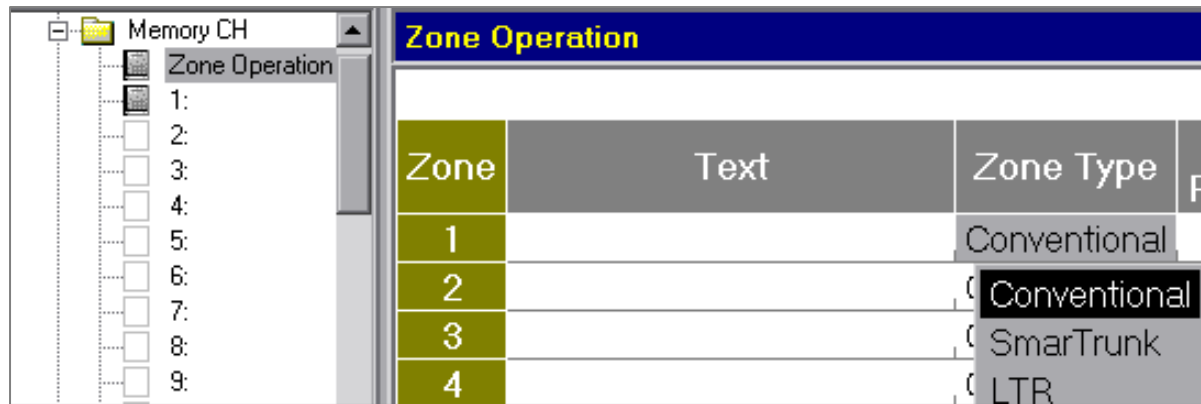
- Proper frequencies are entered
- Proper RAN codes are entered
- Proper squelch is set
- Radio is 6.25kHz capable (UT-119H/126H).



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# Programming Select Call

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





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# Programming Select Call

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

Zone 1: (Left CH - 496)					
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			
1- 6					



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# Programming Select Call

- In **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 Select Call

- Go to **Digital ->Talkgroup -> Talkgroup ID List.**
- Enter all Talkgroup 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.

Digital - Talkgroup - Talkgroup ID List		
ID		
No.	ID	ID Name
1	10	Arena
2	11	Parking Lot
3	12	Office



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# Programming Select Call

- Go to the **Option** window, set **Talkgroup Display on Receive** to **ON**.
- Enter a time value in **Reset timer**.

Digital - Option	
<b>ANI</b>	
Talkgroup Display on Mode Change	OFF
Talkgroup Display on Receive	ON
Unit ID Display on Receive	OFF
Ringer on Receive	ON
Talkgroup Display on PTT	OFF
Over Ringer	OFF
TX R.T.T Beep	OFF

Config	
Ack TX Delay(Sec)	0.100
Ack RX Wait(Sec)	0.800
Attempt No.	5
Ringer Repeat(Sec)	10.000
Reset Timer(Sec)	10.000
Data Decode Comparison	OFF



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# Programming Select Call

- 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 ready to do a Select Call with Talk Groups.



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## Programming Select Call

### To Make a Talk Group Select Call

1. Press *and hold* the key assigned for Digital calls. The display will briefly show INDIVIDUAL or TALKGROUP.
2. If the selection is INDIVIDUAL, press and hold the key again, then press and hold to select TALKGROUP.
3. Press the programmed key again to bring up the list of Talk Group IDs.
4. Scroll to the desired radio ID by pressing the Up/Down keys, then press PTT.