O ICOM

F4300D/F52D Series Radio Programming

BASIC ANALOG PROGRAMMING: THREE CHANNELS WITH SCANNING

Introduction

This tutorial describes how to program the F3400D/F5400D series and F52D series radios with a basic analog file composed of 3 analog channels with Scanning.

No signaling is programmed in the following procedure.

Prerequisites

- Radio is connected to the computer with a cloning cable. USB A to micro B type, with matching driver or OPC-1862 (portables) or OPC- 2363 (Mobiles) with matching drivers
- Firmware and Software are updated to the latest version
- Windows[®] 7, 8.1, or 10 (32/64bit) operating system

Programming

Note: There is no Model Type option (step 2) for the F52D series radios.

1. Open the CS-F3400D software.

untitled - CS-F3400D			Decuments (Compatibility)	work work word
File View COM Port Program	Model Adjust He	elp		
	Type 🕨 🕨		1 IC-F3400DT/F4400DT	
⊡ 🔋 IC-F3400DT/F4400DT ⊕ 📴 Memory CH	Option		2 IC-F3400DS/F4400DS	
		3	3 IC-F3400D/F4400D	
		4	4 IC-F5400D/F6400D	
🗄 🔤 Analog			5 IC-F5400DS/F6400DS	
			0 % / 10 F0400	
ie⊡ SCAN ie⊡ Emergency ie⊡ GPS	Progran	nmin	g Software for IC-F3400D	/F5400D Series
 User Interface Supplemental Function Common 				(C) 2016 Icom Inc.

2. Click **Model** -> **Type** and select your model radio.

🚘 F3400D Analog.icf - CS-F3400D	Model Option
File View COM Port Program Model Adjust Help P I I I I I I I I I I I I I I I I I I I	Choose Model Option in box below. Changing the model will delete all data. System / Function Digital (NXDN) NXDN Conventional NXDN Single-site Trunk NXDN Multi-site Trunk LTR Analog Signaling 2-Tone/5-Tone © 2-Tone © 5-Tone MDC OK Cancel

3. Click **Model** -> **Option** and select your feature options in the **Model Option** window.

Zone Operation Window

1. Go to the Zone Operation window.

	Zone (Operation (3984 Remaining)	(3984 Remaining)					
Memory CH Memory CH								
T: Analog Zone T	Zone	Text	Zone Type	TOT RF PWR PWR Save				
i∃i⊒ Analog i∃i⊒ DTMF	1	Analog Zone 1	Conventional	ON — Short				
	2	Zone 2	Conventional	ON Short				
Emergency	3	Zone 3	, Conventional	, ON , — , Short ,				

Zone 1 Window 2. Go to Zone 1.

	Zone 1: Analog Zone 1 (3984 Remaining)										
Memory CH Zone Operation	Frequency (MHz) C.Tone										
	СН	Atr	Inh	Text	СН Туре	RX	TX	TX Inh	RX	ΤX	R PWP
🗄 🛁 Analog 🗄 🖃 DTMF	1-1	AB		Fire Repeater	Analog	454.000000	459.000000		67.0 ₁	<-	F.
	1-2			Police Repeat	Analog	457.000000	463.000000		67.0 ₁	<-	н}
Emergency	1-3			Fire Talkaroun	Analog	454.000000	<-		67.0 ₁	<-	H

- 3. Enter your RX and TX (if applicable) frequencies.
- 4. At **C.Tone**, Select a sub-audible tone, (CTCSS or DTCS) for each channel.
- 5. Assign the **CH Type** as **Analog** for each channel.
- 6. Enter a text name for each channel.
- 7. In Scan List, Assign each channel as "1". The **1** points to the **Scan List** window (following).

2	cone 1: Analog Zone 1 (3984 Remaining)										
۲ ۲	>		Scan List								
Š	CH	Analog Profile	Scan List	Inc	Assign	Sel Inh					
- {	1- 1	1:	1	Inc							
1	1-2	1:	1	Inc							
2	1 - 3	1:	1	Inc							

8. Assign the characteristics desired for this scan group. Note: Turn all unused **Scan List** groups to **Scan OFF**.

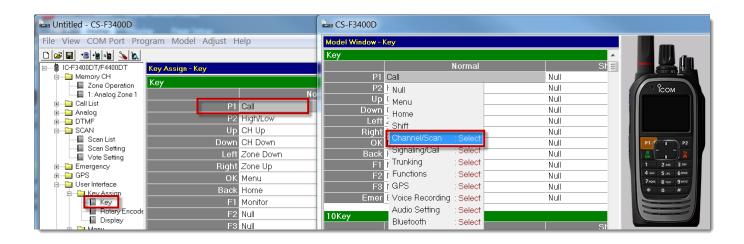


Scan List Window

□ IC-F3400DT/F4400DT	Scan L	Scon List														
Hemory CH Gene Operation Hemory CH Hemory CH Hemory CH Hemory CH I: Analog Zone 1	List	Display Text	Scan Type	Primary CH	Secondary CH	ТХ СН	Talk Back	TX Action	Cancel CH	Text	PWR Save					
🖮 🛅 Call List	1	SCAN1	Normal			Last		Cancel	TX CH		Short					
te — È⊒ Analog te — È⊒ DTMF	2	SCAN2	Scan OFF								Short					
	3	SCAN3	Scan OFF						_		Short					
Scan List	4	SCAN4	Scan OFF								Short					

User Interface/key Assign Window

9. Go to the **Key Assign/Key** window and double-click **P1** to bring up the Key window.



10. Double-click P1 again to bring up the key menu

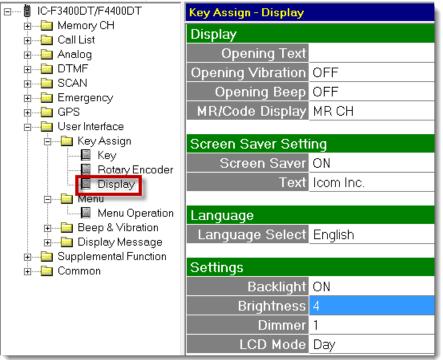
and select Channel/Scan from the menu.

11. Select **Scan/Start/Stop** from the **Channel/Scan** menu to assign This function to P1

All other keys can be set to **Null** to avoid confusion.



User Interface/Key Assign window



Suggested Settings:

- **Backlight** Set to User preference.: When display light is lit up, battery life will be decreased.
- Auto- Display lights up after any button push, but then dims (to "Dimmer" level) after 3 seconds.
- Brightness- Suggested "4".
- **Dimmer** Suggested "0" for portables. Suggested "4" for mobiles.

Menu Operation window

Since functionality for this simple file requires no radio Display use, all menu views are turned off in this example.

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	Menu	Operation			
i Memory CH i ⊡⊡i Call List		Category List			
Analog	No.	English	Other	Icon	Sel
DTMF	1	—			- OFF
	2				— OFF
termergency termeaning GPS	3				— OFF
User Interface	4				— OFF
🖕 🔤 Key Assign	5				— OFF
Key	6				— OFF
Rotary Encoder	7				- OFF
🔲 🔲 Display	8				- OFF
📕 🔤 Menu Operation	9				— OFF