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

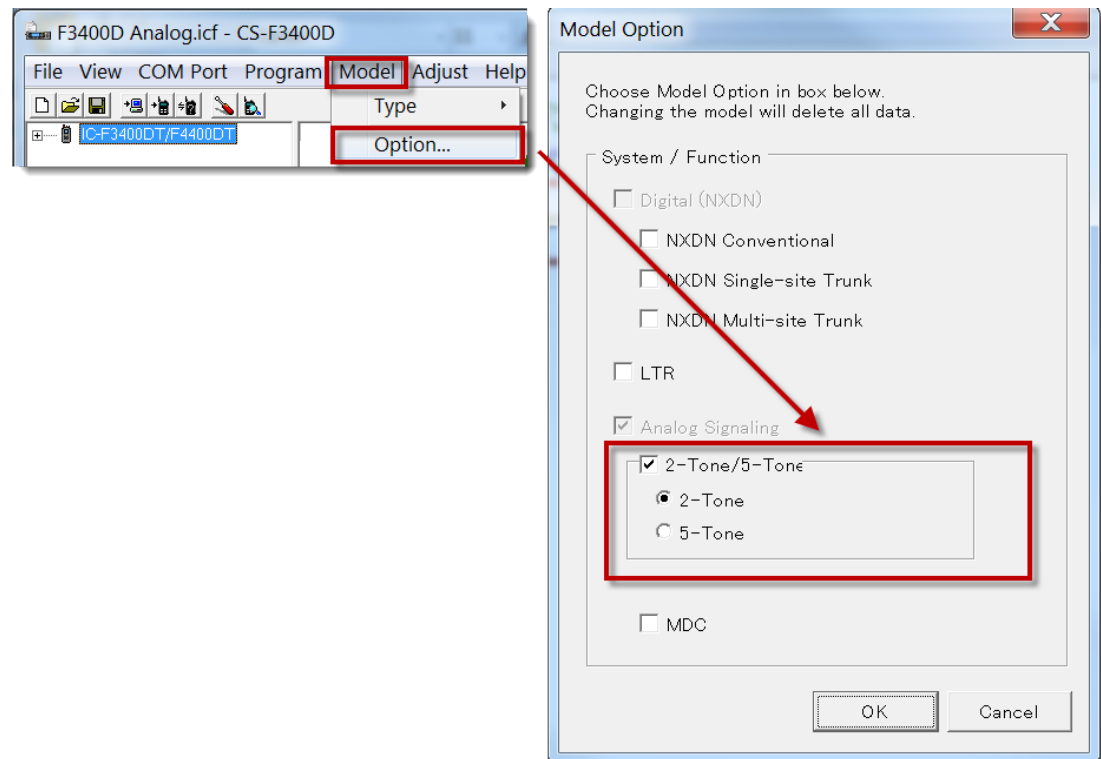- Windows® 7, 8.1, or 10 (32/64bit) operating system

Programming

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

1. Open the CS-F3400D software.
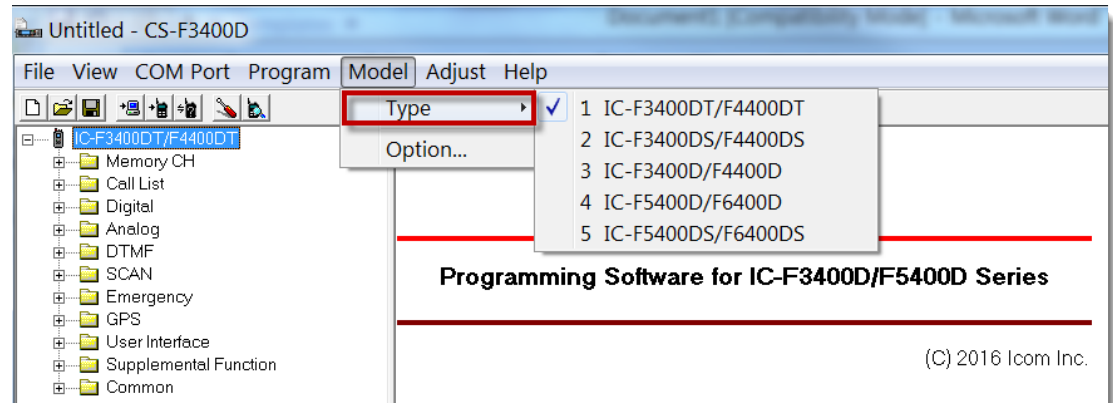
2. Click **Model** -> **Type** and select your model radio.

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)				
Zone	**Text**		**Zone Type**	**TOT**	**RF PWR**	**PWR Save**
1	Analog Zone 1		Conventional	ON	—	Short
2	Zone 2		Conventional	ON	—	Short
3	Zone 3		Conventional	ON	—	Short

Tree view:
- IC-F3400DT/F4400DT
  - Memory CH
    - Zone Operation
      - 1: Analog Zone 1
  - Call List
  - Analog
  - DTMF
  - SCAN
  - Emergency

Zone 1 Window

2. Go to Zone 1.

Tree view:
- IC-F3400DT/F4400DT
  - Memory CH
    - Zone Operation
    - 1: Analog Zone 1
  - Call List
  - Analog
  - DTMF
  - SCAN
  - Emergency

Zone 1: Analog Zone 1 (3984 Remaining)									
						Frequency (MHz)			**C.Tone**
CH	**Atr**	**Inh**	**Text**	**CH Type**	**RX**	**TX**	**TX Inh**	**RX**	**TX**
1- 1	AB		Fire Repeater	Analog	454.000000	459.000000		67.0	<-
1- 2			Police Repeat	Analog	457.000000	463.000000		67.0	<-
1- 3			Fire Talkaroun	Analog	454.000000	<-		67.0	<-

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).

Zone 1: Analog Zone 1 (3984 Remaining)					
		Scan List			
CH	**Analog Profile**	**Scan List**	**Inc**	**Assign**	**Sel Inh**
1- 1	1:	1	Inc	—	—
1- 2	1:	1	Inc	—	—
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

List	Display Text	Scan Type	Primary CH	Secondary CH	TX CH	Talk Back	TX Action	Cancel CH	Text	PWR Save
1	SCAN1	Normal	—	—	Last	—	Cancel	TX CH	—	Short
2	SCAN2	Scan OFF	—	—	—	—	—	—	—	Short
3	SCAN3	Scan OFF	—	—	—	—	—	—	—	Short
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.
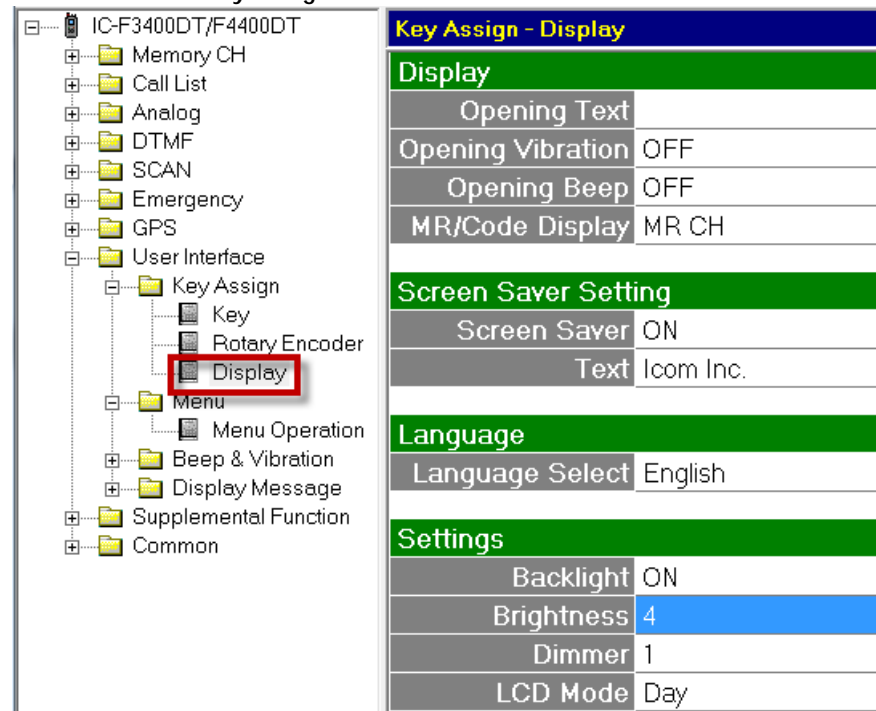
10. Double-click P1 again to bring up the key menu

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

No.	English	Other	Icon	Sel
1	—	—	—	OFF
2	—	—	—	OFF
3	—	—	—	OFF
4	—	—	—	OFF
5	—	—	—	OFF
6	—	—	—	OFF
7	—	—	—	OFF
8	—	—	—	OFF
9	—	—	—	OFF