



Sandown Wireless
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ESM-50-MT9: CPS & Programming Buttons

Items needed:

- ESM-50-MT9
- APX radio compatible with ESM-50-MT9
- Motorola Radio APX Customer Programming (CPS) Software & Radio Management
- USB Programming Cord

1. Open CPS software and use the USB cable to connect your APX to the computer.
2. Select either **Radio Management** or a **Recent Codeplug** on home screen depending on what you want to edit.



- If selecting **Radio Management**, a new window should pop up.
- Select the **Radio Codeplug** template you want to edit and click **Edit Template**

The screenshot shows the 'Radio Management' software interface. On the left, there is a 'Groups' sidebar with 'All', 'FIRE RADIOS', and 'POLICE RADIOS'. The main area displays a table of radio codeplug templates. The table has columns for Serial Number, Radio Alias, Template, Group, Modified, Job Status, Job Name, Model Number, FLASHcode, and Configure Pass. The first row is selected, showing a 'Completed' job. The second and third rows show 'Running: Waiting For Device Programmer' jobs with 'fire 4 updates'.

Serial Number	Radio Alias	Template	Group	Modified	Job Status	Job Name	Model Number	FLASHcode	Configure Pass
100PLA1102	APX 6000XE	100PLA1102(I)	None		Completed	Write 04/12/2018 12:11:12(UTC)	H98KGH9PW7AN	582020-A11000-8	
481CUB5784	POLICE2	POLICE1	POLICE RADIOS		Running: Waiting For Device Programmer	fire 4 updates	H98UCFSPW6BN	98Qc6j-01Z490-7	
756CUB0588	FIRE1	FIRE4	FIRE RADIOS		Running: Waiting For Device Programmer	fire 4 updates	H98UCFSPW6BN	D8Qc6j-21Z490-4	
756CUB0587	FIRE2	FIRE4	FIRE RADIOS		Running: Waiting For Device Programmer	fire 4 updates	H98UCFSPW6BN	D8Qc6j-21Z490-4	
481CUB5785	POLICE1	POLICE1	POLICE RADIOS		Running: Waiting For Device Programmer	fire 4 updates	H98UCFSPW6BN	98Qc6j-01Z490-7	
655CPT0019			None		Running: Waiting For Device Programmer	Auto Read Radios			

6 items found (1 currently selected).

3. In the Codeplug Configuration screen, select **Radio Ergonomic Wide** in the left menu and make sure **External Accessory Enable** box is checked.

APX CPS (Portable) - Device 756CPBD905

Codeplug View Device Tools Help

Navigation

Codeplug Configuration

- PPU Communication Systems
 - Radio Information
 - Radio Wide
 - Factory Overrides
 - Radio Ergonomics Configuration
 - Radio Ergonomics Wide**
 - Action Consolidation
 - Controls
 - Display
 - Noise Reduction Configuration
 - Radio Profiles
 - ViQ: Virtual Partner Alert
 - Voice Announcements
 - Secure Configuration
 - Emergency Configuration
 - Data Configuration
 - Phone Wide
 - Conventional Configuration
 - Trunking Configuration
 - Call List Configuration
 - Zone Channel Assignment
 - Scan Configuration

Radio Ergonomics Wide

Home Mode Advanced Preset Zone and Channel Logical Profile Configuration

Home Mode

Home Mode

Zone 1-PMR446

Channel 1

Advanced

Short Keypress Duration (ms) 0

Short Keypress Duration for Emergency (ms) 1000

Long Keypress Duration (ms) 1000

Long Keypress Duration for Emergency (ms) 2000

Soft Power Off Disabled

Rotary Switch Lock Enable

Toggle Switch Lock Enable

Side Buttons Lock Enable

Last Selected Channel Per Zone Enable

Power Up On Last Selected Zone and Channel

Zone Bank Operation Disabled

Volume Control Lockout with RSM None

Channel Control Lockout with RSM None

Active Mic for Radio PTT Radio Mic

External Accessory Enable

Keypad / Controls Lock Keypress Type Short Keypress

Preset Zone and Channel Default 1

Configurable Preset Zone and Channel

MS#	Preset Zone	Preset Channel
MS01	<Selected Zone>	<Selected Chan>
MS02	<Selected Zone>	<Selected Chan>

Output Invalid Fields Report Drag and Drop Report Import/Export Report Comparator Report Fill Up

Ready

4. After checking the External Accessory Enable box, go to **Accessory Buttons** under the **Controls** drop-down menu.

- In the Accessory Buttons screen, the first row (Accy Orange) should be **Emergency** and the **third row (Accy 1-dot)** will have a drop-down menu to select what function you would like to program the button to execute.

APX CPS (Portable) - Device 756CPBD905

Codeplug View Device Tools Help

Navigation Codeplug Configuration

- PPU Communication Systems
 - radio Information
 - Radio Wide
 - Factory Overrides
 - Radio Ergonomics Configuration
 - Radio Ergonomics Wide
 - Action Consolidation
 - Controls
 - Buttons
 - Switches
 - Menu Items
 - Accessory Buttons**
 - Smart Key FOB Buttons
 - Display
 - Noise Reduction Configuration
 - Radio Profiles
 - VIQ: Virtual Partner Alert
 - Voice Announcements
 - Secure Configuration
 - Emergency Configuration
 - Data Configuration
 - Phone Wide
 - Conventional Configuration
 - Trunking Configuration
 - Call List Configuration
 - Zone Channel Assignment
 - Scan Configuration

Accessory Buttons

General

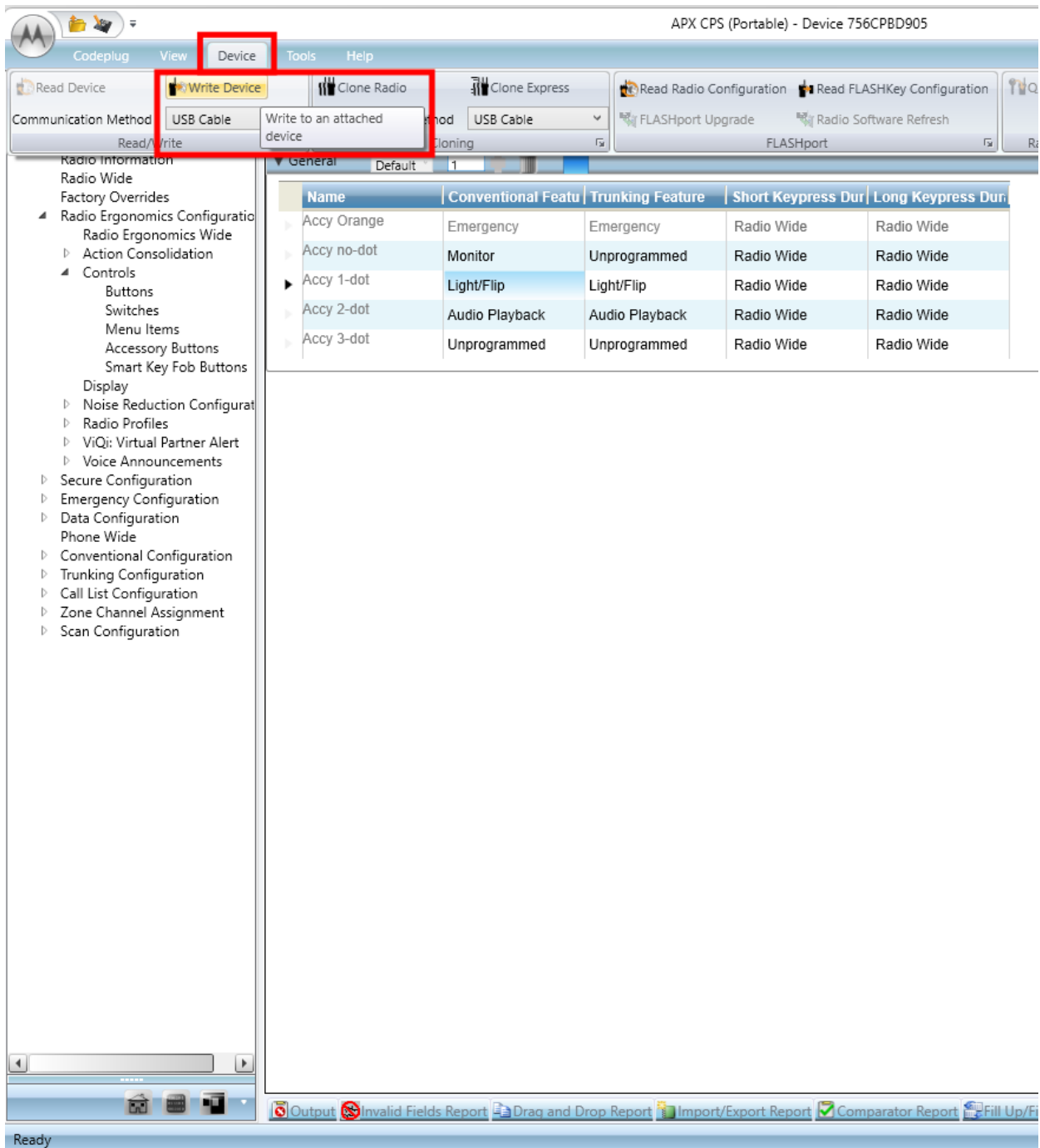
Name	Conventional Feature	Trunking Feature	Short Keypress Dur	Long Keypress Dur
Accy Orange	Emergency	Emergency	Radio Wide	Radio Wide
Accy no-dot	Monitor	Unprogrammed	Radio Wide	Radio Wide
Accy 1-dot	Light/Flip	Light/Flip	Radio Wide	Radio Wide
Accy 2-dot	Keypad/Controls Lock		Radio Wide	Radio Wide
Accy 3-dot	Light/Flip Man Down Clear		Radio Wide	Radio Wide

MS01
MS02
MS03
MS04
MS05
MS06
MS07
MS08
MS09
MS10
MS11
MS12
MS13
Nuisance Delete
Phone
Priority Channel PTT

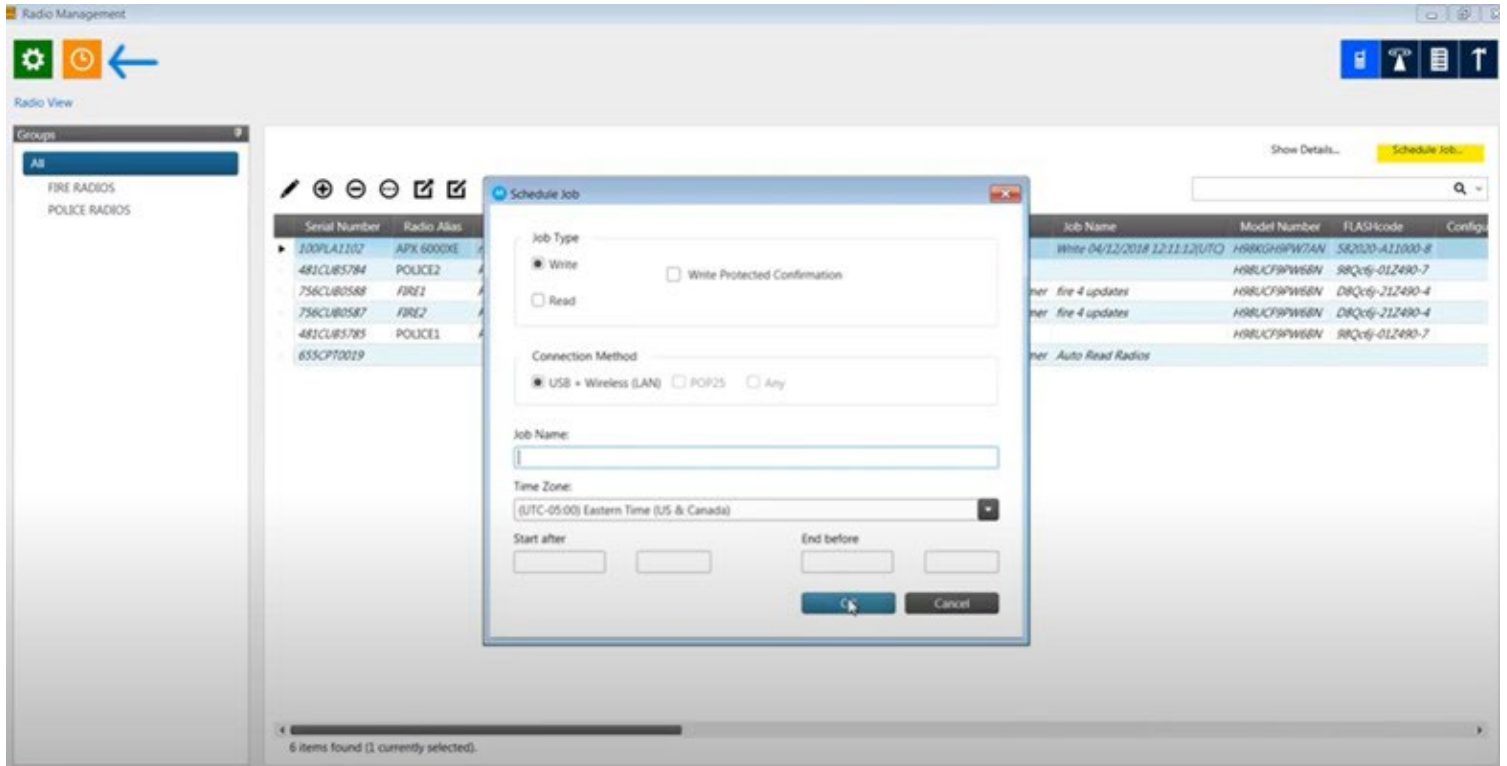
Ready

Output Invalid Fields Report Drag and Drop Report Import/Export Report Comparator Report Fill Up/F

- To immediately update the radio after selecting the action, go to **Device** in the top ribbon and click **Write Device**.



- Alternatively, if you need to program multiple radios, you can **Save** the new Codeplug Template and close codeplug editor window.
- On the home screen, open **Radio Management** and you will see the updated codeplug. Select the radios and **Schedule Job** to write (update) with new codeplug.



- The **Job Status** will update when the software detects the radio is connected.

Sandown Wireless

19 Phillipswood Road

Sandown NH, 03873

Tel: 603-425-9876 email:sales@criticalbattery.com