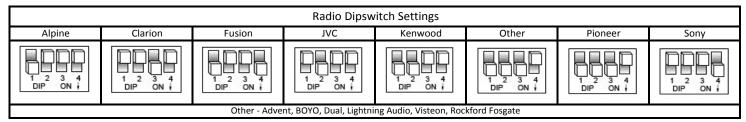## Manual Programming Mode

With this method the SWC values must be manually programmed into the CP5 by using either the app or the programming button. The vehicle DIPswitches on the side of the interface must all be set to up. **PLEASE NOTE: This mode is only compatible in vehicles with both analog SWC and a discrete 12v Accessory wire. Vehicles with CAN-Bus buttons cannot be manually programmed.**

1. Visit www.pac-audio.com/controlpro/app to download your device specific application.
2. Launch the application and find the installation instructions for your vehicle.
3. Set the radio DIPswitches according to the chart below.
4. Wire up the interface according to the installation instructions in the application.
5. Connect the CP5 to the vehicle
6. You can now either connect the CP5 to a device and use the app to program the SWC values or follow the programming instructions below.

Radio Dipswitch Settings							
Alpine	Clarion	Fusion	JVC	Kenwood	Other	Pioneer	Sony
Other - Advent, BOYO, Dual, Lightning Audio, Visteon, Rockford Fosgate							

Please read each of the following steps to familiarize yourself with the process before beginning. The interface must be programmed in the specific order shown in the chart below

1. Turn the key to the ignition position. The LED will illuminate red.
2. Press and hold the programming button on the side of the interface until the LED illuminates green and you hear ascending chimes. Release the programming button.
3. Within 7 seconds, press the button that is to be learned on the steering wheel. **At this point you have two options:**
   a. **For short press functionality:** Hold the button on the steering wheel until a single chime is heard. The LED will change to red once the button is learned. Release the button.
   b. **For long press functionality:** Continue to hold the button until a long chime is heard. The LED will flash between red and amber once the button is learned. Release the button.
4. If you need to program more buttons, repeat step 3 for each additional audio function on the steering wheel.
5. If you come across a function in the chart that your steering wheel does not have, or you do not want to program, press and release the program button on the side of the interface to skip that function. The LED will go off and you will hear two chimes when it is done successfully.
6. Once programming is completed, wait seven seconds. The LED will flash green 3 times and you will hear descending chimes indicating the end of programming.
7. Test the interface for proper functionality. Whenever a SWC button is pressed the LED on the interface should blink green. If any function does not work, repeat the programming steps.

Radio Function Mapping Order

	Alpine	JVC	Kenwood	Clarion	Other *	Pioneer	Sony	Fusion
1	Volume +	Volume +	Volume +	Volume +	Volume +	Volume +	Volume +	Volume +
2	Volume -	Volume -	Volume -	Volume -	Volume -	Volume -	Volume -	Volume -
3	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute
4	Preset +	Source	Source	Source	Preset +	Preset +	Preset +	Source
5	Preset -	Track +	Play	Search +	Preset -	Preset -	Preset -	Track +
6	Source	Track -	Track +	Search -	Source	Source	Source / End Call	Track -
7	Track +	Band / Disc +	Track -	Band	Track +	Track +	Track +	Audio
8	Track -	Preset / Disc -	Disc / FM +	Send / End	Track -	Track -	Track -	Power
9	Power	Select	Disc / AM -	Send	Band	Band	Band	
10	Enter / Play	Attenuation	Answer	End	Answer **	Phone Menu	Power / End Call	
11	Band / Program	Phone Receive	Voice Dial	VR	End **	Answer Call	Voice Dial / Answer / End Call	
12	Receive	Phone Reject	On Hook		PTT **	End Call	VR (Android Auto & Car Play) Answer / End Call***	
13	End	Voice Dial	Off Hook			VR		
14	VR	Power	Mute					
15		Preset +						
* Advent, Boyo, Dual, Lightning Audio, Jensen, Rockford Fosgate & Visteon ** Jensen & Advent ONLY *** XAV-AX100 Only								