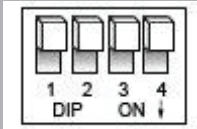# SWI-RC-1
## Steering Wheel Control Interface

# Manual Programming

With this method the SWC values must be manually programmed into the SWI-RC-1 by using the programming button. The vehicle dipswitches on the side of the interface must all be set to the up (off) position. The radio dipswitches must be set to the proper radio configuration (see below). **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. Set the radio dipswitches according to the chart below.
2. Wire up the interface according to the installation instructions in the application.
3. Connect the SWI-RC-1 to the vehicle.
4. You can now follow the programming instructions below.

**Set DIP switches that correspond with your radio to the ON position.**
**Set all other DIP switches to the OFF position.**

⚠ **DIPSWITCH** ON = DOWN

| Alpine | JVC | Kenwood / Lightning Audio | Clarion / Nakamichi | 2-Wire Resistive | Pioneer / Other* | Sony | Fusion |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 1 & 2 | 3 | 2 & 3 | 1, 2, & 3 | 4 | 1 & 4 |

*Other - Dual / Axxera (these brands could also have 2-wire resistive), Jensen, 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. 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 the LED changes from green to red. Release the button.
   b. **For long press functionality:** Continue to hold the button until the LED flashes between red and amber once. 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 turn off then back on when the skip has been done successfully.
6. Once programming is completed, wait seven seconds. The LED will flash green 3 times 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 / Lightning Audio | Clarion / Nakamichi | 2-Wire Resistive | Pioneer | Other * | 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 + | No specific programming order. Please refer to the owners manual of your particular radio for programming instructions.. | 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 | | Phone Menu | Answer ** | Power / End Call | |
| 11 | Band / Program | Phone Receive | Voice Dial | VR | | Answer Call | End ** | Voice Dial / Answer / End Call | |
| 12 | Receive | Phone Reject | On Hook | | | End Call | PTT ** | 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*

**Please Note: On any entry with multiple commands, the commands shown are source dependent.**

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