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### Product Features

- Retains factory features in select Toyota vehicles while functioning with an aftermarket radio.
- Pre-programmed to retain factory Steering Wheel Controls.
- iPhone Voice Recognition (VR) feature from SWC on select radios.
- Supports BT-HF/A2DP/AVRCP profile on select aftermarket radio models.
- Supports Pick Up/End Call, Pick up and Toggle between 1st and 2<sup>nd</sup> incoming call, AVRCP Track, Seek.
- Retains factory AUX Input.
- EIA color coded wiring for easy installation.

### Vehicle Applications

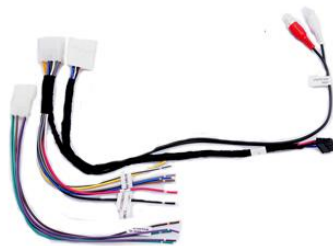
#### TOYOTA

|             |              |             |         |
|-------------|--------------|-------------|---------|
| 2003 - 2013 | 4Runner      | 2003 - 2011 | Sequoia |
| 2005 - 2011 | Avalon       | 2004 - 2011 | Sienna  |
| 2007 - 2011 | Camry        | 2005 - 2012 | Tacoma  |
| 2004 - 2008 | Camry Solara | 2003 - 2013 | Tundra  |
| 2007 - 2011 | FJ Cruiser   | 2009 - 2011 | Venza   |
| 2008 - 2012 | Highlander   |             |         |
| 2006 - 2011 | RAV4         |             |         |

### Parts Included



TY-61S Interface Module



TY-61S T-Harness



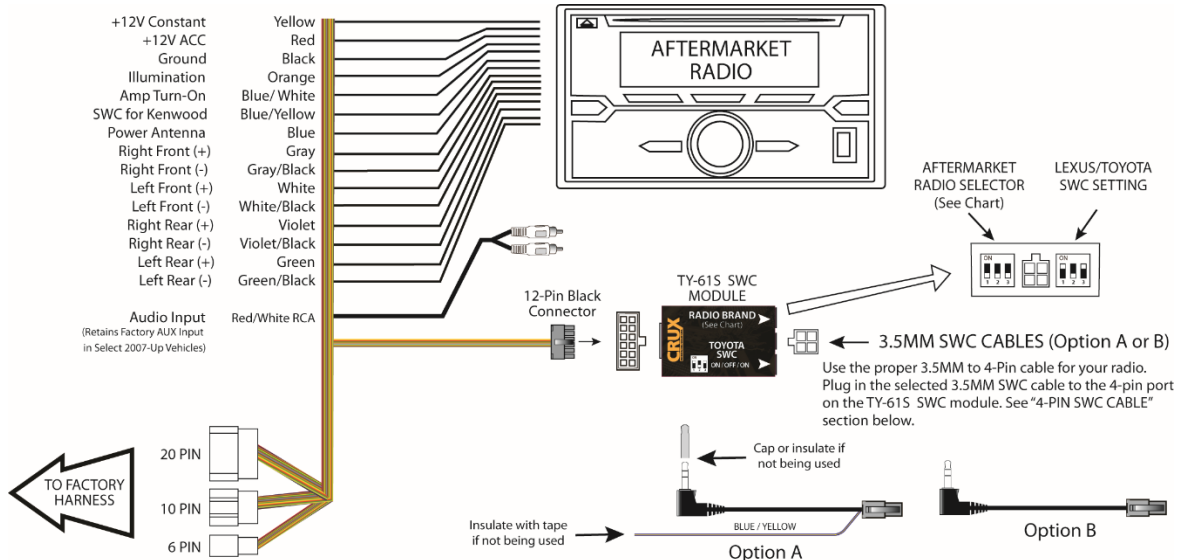
3.5MM to 4-pin SWC Cables

### **PRECAUTIONS:**

1. Remove the negative battery terminal to avoid any short circuits during installation.
2. Do not install the interface near any major components or near the HVAC system. This may cause damage or overheating to the vehicle.



### Installation Diagram

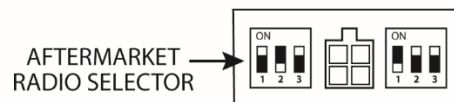


### DIP Switch Settings

#### SETTING THE AFTERMARKET RADIO BRAND

This step is done on the TY-61S SWC Module. With the key in the off position, set the DIP switches to the corresponding radio listed below.

| RADIO BRAND:                 | DIP: | 1   | 2   | 3   |
|------------------------------|------|-----|-----|-----|
| Fahrenheit, Pioneer          |      | OFF | ON  | ON  |
| Power Acoustik, Sound Stream |      | OFF | ON  | ON  |
| Alpine                       |      | OFF | OFF | OFF |
| Clarion                      |      | ON  | ON  | OFF |
| Kenwood                      |      | ON  | ON  | ON  |
| JVC                          |      | ON  | OFF | ON  |
| Sony, Boss, Jensen, Dual     |      | ON  | OFF | OFF |



#### 4-PIN SWC CABLE

The TY-61S SWC Module allows for both types of connections:

- OPTION A** is used for ALPINE, CLARION, JVC, and KENWOOD units (Blue/Yellow wire is attached)
- OPTION B** is used for BOSS, DUAL, FAHRENHEIT, JENSEN, POWER ACOUSTIK, PIONEER, SONY and SOUND STREAM units.

**NOTE:** Cap or insulate the 3.5mm plug or Blue/Yellow wire if not being used.

#### SETTING THE TOYOTA SWC

| DIP:   | 1  | 2   | 3  |
|--------|----|-----|----|
| TOYOTA | ON | OFF | ON |





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### STEERING WHEEL CONTROL BUTTON FUNCTIONS

| <u>SWC Button</u>  | <u>SHORT PRESS</u>   | <u>LONG PRESS</u>  |
|--|--|--|
| <b>PIONEER</b><br>VOL +<br>VOL -<br>Seek Up<br>Seek Down<br>Mode<br>OFF Hook<br>ON Hook<br>Voice | Step Increment<br>Step Decrement<br>Preset Up<br>Preset Down<br>Source<br>Pick Up Call*<br>End Call / Ignore Call<br>Activate VR/Deactivate VR | Continuous VOL +<br>Continuous VOL -<br>Seek Up<br>Seek Down<br>Power On/Off<br>None<br>None<br>None |
| <b>*NOTE:</b>  | BT Mode Active:<br>OFF Hook = Toggle between<br>1 <sup>st</sup> and 2 <sup>nd</sup> Call   |  |

| <u>SWC Button</u>   | <u>SHORT PRESS</u>  | <u>LONG PRESS</u>   |
|---|---|---|
| <b>ALPINE</b><br>VOL +<br>VOL -<br>Seek Up<br>Seek Down<br>Mode<br>OFF Hook<br>ON Hook<br>Voice | Step Increment<br>Step Decrement<br>Seek Up<br>Seek Down<br>Source<br>Pick Up Call<br>End Call<br>Activate VR*/Deactivate VR* | Continuous VOL +<br>Continuous VOL -<br>None<br>None<br>None<br>None<br>None<br>N/A |
| <b>*NOTE:</b>   | BT Mode Active:<br>OFF Hook = Toggle between<br>1 <sup>st</sup> and 2 <sup>nd</sup> Call                                      |   |

| <u>SWC Button</u>  | <u>SHORT PRESS</u>  | <u>LONG PRESS</u>  |
|--|---|--|
| <b>CLARION</b><br>VOL +<br>VOL -<br>Seek Up<br>Seek Down<br>Mode<br>OFF Hook<br>ON Hook<br>Voice | Step Increment<br>Step Decrement<br>Preset Up<br>Preset Down<br>Source<br>Pick Up Call*<br>End Call<br>Mute | Continuous VOL +<br>Continuous VOL -<br>Seek Up<br>Seek Down<br>Power On/Off<br>None<br>None<br>None |
| <b>*NOTE:</b>  | BT Mode Active:<br>OFF Hook = Toggle between<br>1 <sup>st</sup> and 2 <sup>nd</sup> Call                    |  |





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| <u>SWC Button</u>  | <u>SHORT PRESS</u>   | <u>LONG PRESS</u>   |
|--|--|---|
| <b>JVC</b><br>VOL +<br>VOL -<br>Seek Up<br>Seek Down<br>Mode<br>OFF Hook<br>ON Hook<br>Voice | Step Increment<br>Step Decrement<br>Seek Up<br>Seek Down<br>Source<br>Pick Up Call*<br>End Call<br>Activate VR | Continuous VOL +<br>Continuous VOL -<br>M-Seek Up<br>M-Seek Down<br>None<br>None<br>None<br>None                |
| <b>*NOTE:</b>  | BT Mode Active:<br>User must End 1st call in<br>order to pick up 2nd<br>incoming call.                         | Deactivate VR:<br>Say "Cancel" or remain silent<br>until it times out → Auto<br>switch back to previous Source. |

| <u>SWC Button</u>  | <u>SHORT PRESS</u>  | <u>LONG PRESS</u>  |
|--|---|--|
| <b>KENWOOD</b><br>VOL +<br>VOL -<br>Seek Up<br>Seek Down<br>Mode<br>OFF Hook<br>ON Hook<br>Voice | Step Increment<br>Step Decrement<br>Seek Up<br>Seek Down<br>Source<br>Pick Up Call/<br>Call History On/Off<br>End Call / Deactivate VR<br>Activate VR | Continuous VOL +<br>Continuous VOL -<br>None<br>None<br>None<br>None<br>None<br>None<br>None |

