



# CRUX SWRFD-60L Wiring Interface Module User Manual

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INTERFACING SOLUTIONS



**SWRFD-60L**

**Radio Replacement with SWC + Aux Input Retention  
for FORD, LINCOLN & MERCURY Vehicles  
User Manual**

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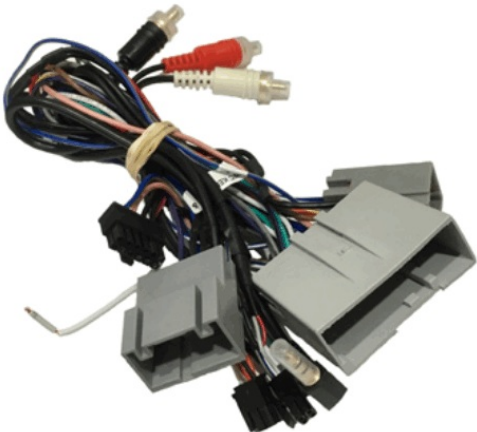
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## PRODUCT FEATURES:

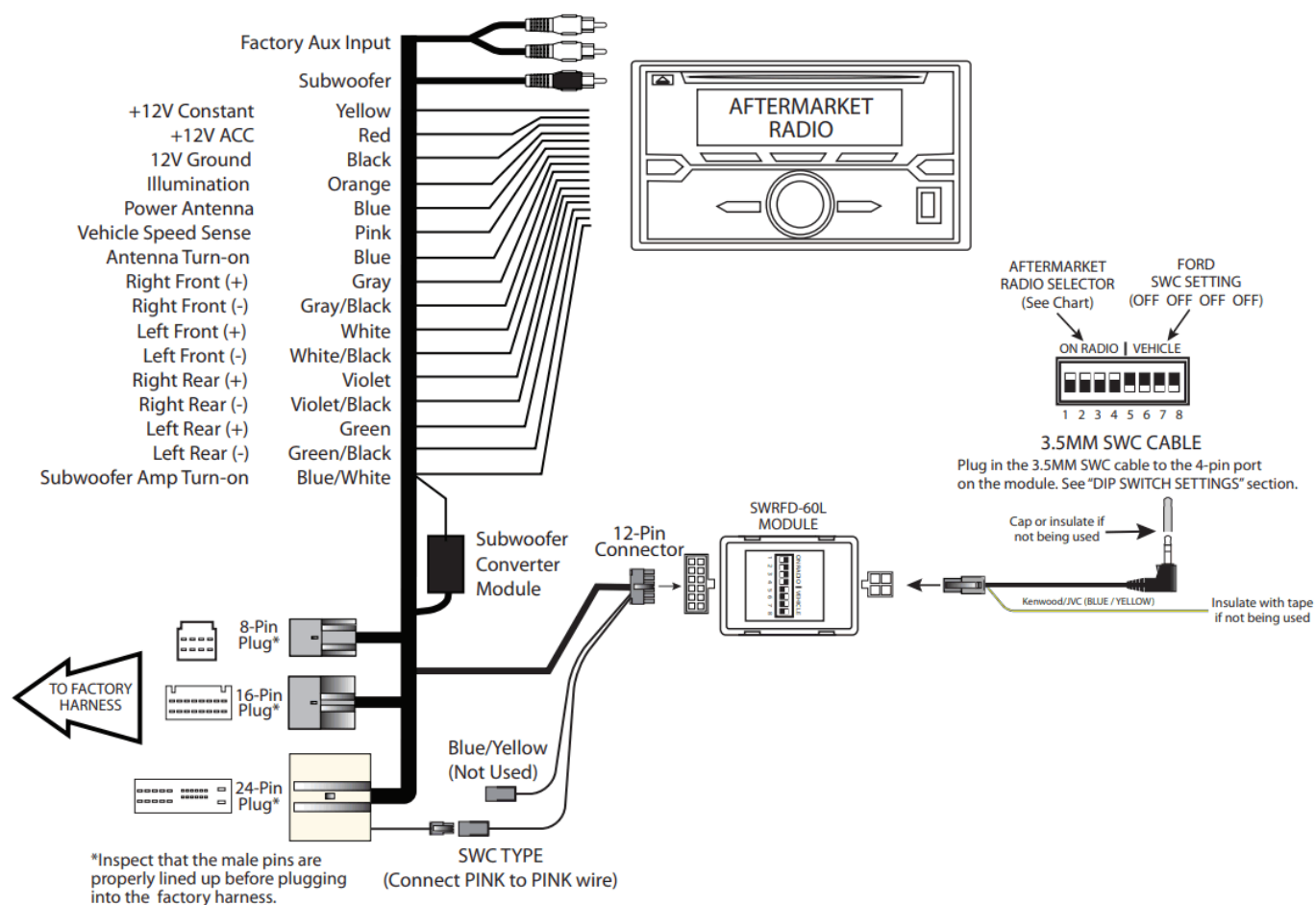
- Retains factory features in select FORD, LINCOLN, and MERCURY vehicles while functioning with an aftermarket radio.
- Pre-programmed to retain factory Steering Wheel Controls (on vehicles without Sync).
- iPhone Voice Recognition (VR) feature from SWC on select Kenwood, Pioneer, Alpine, and JVC radios.
- Retains factory Aux-Input and Subwoofer (if equipped).

- EIA color-coded wiring for easy installation.

## PARTS INCLUDED:

|                                                                                   |                                                                                    |                                                                                     |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |
| <b>SWRFD-60L MODULE</b>                                                           | <b>SWRFD-60L HARNESS</b>                                                           |                                                                                     |

## INSTALLATION DIAGRAM:



## NOTES:

1. Only supports analog Steering Wheel Control type.
2. Use part number SWRFD-60 for CAN-Bus Steering Wheel Control.

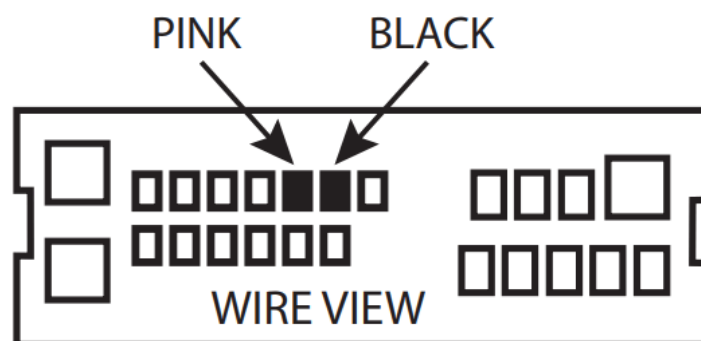
3. The output signal stated above may not cover all Years/Models.
4. Does not retain SYNC.
5. Not compatible with factory-installed Sony systems and THX systems with amplifier.

#### **ANALOG CONNECTION:**

##### **HOW TO DETERMINE IF THE VEHICLE HAS ANALOG SWC:**

Analog Steering Wheel Control (SWC) signal vehicles will have wires populated and line up to the PINK and BLACK wire on the 24-Pin Crux connector.

If one wire is missing then you will need to use Crux part number SWRFD-60.



Crux 24-Pin Connector

#### **DIP SWITCH SETTINGS:**

##### **AFTERMARKET RADIO DIP SWITCH SETTINGS:**

| <b>RADIO BRAND:</b>                      | <b>DIP:</b> | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> |
|------------------------------------------|-------------|----------|----------|----------|----------|
| Atoto, Dual, Fahrenheit, Jensen, Pioneer |             | OFF      | OFF      | ON       | ON       |
| Power Acoustik, Soundstream              |             | OFF      | OFF      | ON       | ON       |
| Blaupunkt, Most off-brand Radios         |             | OFF      | OFF      | ON       | ON       |
| Alpine                                   |             | OFF      | OFF      | OFF      | OFF      |
| Clarion                                  |             | OFF      | ON       | ON       | OFF      |
| Kenwood                                  |             | OFF      | ON       | ON       | ON       |
| JVC                                      |             | OFF      | ON       | OFF      | ON       |
| Boss, Old Sony                           |             | OFF      | ON       | OFF      | OFF      |
| New Sony                                 |             | OFF      | OFF      | ON       | OFF      |

#### **SWC MODULE**

## ON RADIO | VEHICLE



1 2 3 4 5 6 7 8

**NOTE:** For Auto, Blaupunkt, Dual, Farenheit, Power Acoustik, Soundstream, and most off-brand radios, check the aftermarket radio's manual to see if the SWC buttons need to be programmed.

### FORD STEERING WHEEL CONTROL DIP SWITCH SETTING:

|      | DIP: | 5   | 6   | 7   | 8   |
|------|------|-----|-----|-----|-----|
| Ford |      | OFF | OFF | OFF | OFF |

### SWRFD-60L SWC MODULE

## ON RADIO | VEHICLE



1 2 3 4 5 6 7 8

### 3.5MM SWC CABLE

Plug in the 3.5MM to 4-Pin SWC cable to the SWC module.

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

For aftermarket radios that have wires for SWC connections, cut off the 3.5mm plug on the Crux SWC Cable and connect the SWC wires as follows:



Note that there are some radios that only have SWC1 and SWC2, in this case, "shield" does not need to be connected.

### VEHICLE APPLICATIONS:

| <b>FORD</b> |                | <b>MERCURY</b> |               |
|-------------|----------------|----------------|---------------|
| 2004-2006   | Crown Victoria | 2003-2005      | Grand Marquis |
| 2007-2010   | Edge           | 2006-2010      | Mariner       |
| 2008-2012   | Escape         | 2006-2011      | Milan         |
| 2004-2010   | Expedition     | 2005-2007      | Montego       |
| 2004-2010   | Explorer       | 2004-2007      | Monterey      |
| 2004-2012   | F-150          | 2006-2010      | Mountaineer   |
| 2004-2012   | F-250          | 2008-2009      | Sable         |
| 2004-2012   | F-350          | <b>LINCOLN</b> |               |
| 2004-2012   | F-450          | 2003-2005      | Aviator       |
| 2004-2012   | F-550          | 2004-2006      | LS            |
| 2005-2007   | Five Hundred   | 2006-2008      | Mark LT       |
| 2009-2012   | Flex           | 2009-2010      | MKS           |
| 2004-2011   | Focus          | 2010-2011      | MKT           |
| 2004-2007   | Freestar       | 2006-2011      | MKX           |
| 2005-2007   | Freestyle      | 2006-2011      | MKZ           |
| 2006-2012   | Fusion         | 2007-2011      | Navigator     |
| 2004-2012   | Mustang        | 2004-2010      | Town Car      |
| 2008-2010   | Taurus         | 2006-2006      | Zephyr        |
| 2004-2005   | Thunderbird    |                |               |

**Compatible Ford SWC Types:**

|                                                                                  |                                                                                   |                                                                                    |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
|  |  |  |
| <p align="center"><b>Type 1<br/>4-Button</b></p>                                 | <p align="center"><b>Type 2<br/>4-Button</b></p>                                  | <p align="center"><b>Type<br/>5-Butl</b></p>                                       |

**NOTE:**

Steering Wheel Controls are NOT retained in vehicles with Sync.



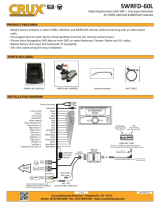
<http://www.cruxinterfacing.com>

Crux Interfacing Solutions

- Chatsworth, CA 91311
- phone: (818) 609-9299
- fax: (818) 996-8188
- [www.cruxinterfacing.com](http://www.cruxinterfacing.com)

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## Documents / Resources

|                                                                                     |                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p><b><a href="#">CRUX SWRFD-60L Wiring Interface Module</a></b> [pdf] User Manual<br/> SWRFD-60L, Wiring Interface Module, Interface Module, SWRFD-60L, Wiring Interface, Interface</p> |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## References

- [C CRUX Interfacing Solutions](#)