

**OEM NAVIGATION
& VIDEO INTERFACE
PRODUCT CATALOG
2009**



MPIE

**PRECISION INTERFACE
ELECTRONICS, INC.**

FACTORY NAVIGATION INTERFACES

ACU/NAV-EYE1

ACURA

MODEL	YEAR
CL	1999-2003
MDX	2001-2002
RL	1999-2003
TL	1999-2002

ACU/NAV-EYE2

ACURA

MODEL	YEAR
CL	2004-2006
MDX	2003-2006
RL	2004-2006
TL	2003-2006
TSX	2003-2006

HONDA

MODEL	YEAR
ACCORD	2003-2006
ODYSSEY	1999-2006
PILOT	2001-2006
RIDGELINE	2005-2007

BMW/NAV-EYE1

BMW (w/o iDrive)

MODEL	YEAR
X3, X5	2004-2006
3-SERIES	2004-2006
5-SERIES	2004-2005
6-SERIES	2004-2006
*7-SERIES	2001-2005

*(745 and higher models are NOT compatible)

BMW/NAV-EYE2

BMW (w/o iDrive)

MODEL	YEAR
*7-SERIES	2002-2006

*(All models of 740 BMW's are NOT compatible)

FRD03/NAV-EYE1

FORD

MODEL	YEAR
*ALL	2003-2006

LINCOLN

MODEL	YEAR
*ALL	2003-2006

*(Compatible w. Touch-screen NAV radios only)

GM/NAV-EYE1 & GM/NAV-EYE2 (NON-TOUCH SCREEN) (TOUCH SCREEN)

*CADILLAC

MODEL	YEAR
ESCALADE	2003-2005
ESCALADE EXT	2003-2005
ESCALADE ESV	2005

*CHEVROLET

MODEL	YEAR
AVALANCHE	2003-2005
SILVERADO	2003-2005
SUBURBAN	2003-2005
TAHOE	2003-2005
TRAILBLAZER	2003-2005
VENTURE	2003-2005

*GMC

MODEL	YEAR
ENVOY	2003-2005
SIERRA/DENALI	2003-2005
YUKON	2003-2005
YUKON DENALI	2003-2005
YUKON XL	2003-2005

*HUMMER

MODEL	YEAR
H2 SUV	2003-2005
H2 SUT	2004-2005

*Compatible with CLASS II radios only.

NISS/NAV-EYE1

NISSAN

MODEL	YEAR
ARMADA	2004-2006
ALTIMA	2005-2006
MURANO	2003-2006
PATHFINDER	2004-2006
TITAN	2004-2006

INFINITY

MODEL	YEAR
FX	2003-2006
M45	2003-2006
QX56	2003-2006
Q45	2004-2005

NISS/NAV-EYE2

NISSAN

MODEL	YEAR
350Z	2003-2007

INFINITY

MODEL	YEAR
G35	2003-2006

UNI/NAV-EYE1

UNIVERSAL CONVERTER

MAKE	MODEL	YEAR
ACURA	ALL	1999-2006
CHRYSLER	PACIFICA	2003-2006
*FORD	ALL	2004-2006
HONDA	ALL	1999-2006
*INFINITY	ALL	2003-2006
JAGUAR	ALL	2003-2006
*LEXUS	ALL	2003-2006
*LINCOLN	ALL	2003-2006
MAZDA	ALL	2004-2006
*NISSAN	ALL	2003-2006
*TOYOTA	ALL	2004-2005
VOLVO	ALL	ALL

* Please check the list below for EXCLUDED vehicles.

FORD	2004-06	Non-touch screen Navigation radios
INFINITY	2005-07	G35
LEXUS	2005	ES300 with Navigation built into headunit
LINCOLN	2003	Navigator with Navigation built into headunit
NISSAN	ALL	Pathfinder with Navigation built into headunit
NISSAN	2005-07	350Z
TOYOTA	2005	Sienna, Sequoia, Camry
TOYOTA	2007	All models



All listed parts, excluding GM/NAV-EYE1 and EYE2, are compatible with 2-piece Navigation units only.

FACTORY NAVIGATION INTERFACES



FACTORY NAV + PIE = DUAL VIDEO INPUTS

PIE's line of video interfaces will convert the factory navigation screen into a dual video input, allowing any video source to be seen directly on the navigation monitor.

DVD KEEPERS

PIE's line of DVD keepers will maintain the factory DVD player in your RSE (Rear Seat Entertainment) equipped CAN-BUS vehicle when replacing the OEM radio with an aftermarket unit.

Using one of the PIE's DVD Keepers, the DVD audio level is adjustable (up to 2 Volt RMS) so that it can be level-matched to the AM, FM, +CD modes of the aftermarket radio.

PART

FRD03-DVD

FRD04-DVD

FRDN-DVD

CHRY04-DVD

select Ford/Lincoln/Mercury vehicles

select Chrysler/Dodge/Jeep vehicles



AUDIO/VIDEO CABLES

- AV-3** audio / video cable - 3 FT.
- AV-6** audio / video cable - 6 FT.
- AV-12** audio / video cable - 12 FT.
- 3.5-3.5/6AV** 4 position 3.5mm to 4 position 3.5mm audio / video cable - 6 FT.
- 3.5F-AV** 3.5mm female input jack to audio/ video male RCAs - 4 FT.
- 3.5M-AV** 3.5mm straight male to audio/ video male RCAs - 6 FT.
- 3.5MR-AV** 3.5mm right-angle male to audio/ video male RCAs - 6 FT.

PIE's audio/video cables are also sold in bulk bags of 10 pieces.



3.5-3.5/6AV



3.5F-AV



3.5M-AV



3.5MR-AV

Aftermarket iPod Auxiliary / Video Output

These Interface cables allow an iPod (with dock connector) to connect to a compatible Aftermarket in-dash cassette or CD receiver. Measuring approximately 6', the Interface cable has an aftermarket data bus connector, which connects to the CD-Changer port of the aftermarket receiver. At the other end is a male iPod dock connector, which connects to the bottom of a compatible iPod avoiding the use of FM modulators, unwanted static noise, and provides charging for the iPod.



ALP/AI-POD
AI-NET CONNECTOR



ALP/M-POD
M-BUS CONNECTOR



ALP/FS-POD
FULL SPEED CONNECTOR



BLAU/8-POD
8-Pin CONNECTOR



ECL/E-POD
E-LAN CONNECTOR



JVC/J-POD
J-LINK CONNECTOR



KNW/13-POD
13-Pin CONNECTOR



KNW/USB-AV
KENWOOD USB & AV PORTS



PIO/P-POD
IP-BUS CONNECTOR

POD

Control from OEM Radio

PIE PART

AUD/PC-POD(2)

CHRY/PC-POD(2)

CHRY98/PC-POD(2)

CHRY02/PC-POD(2)

FRD03/PC-POD(2)

FRDC/PC-POD(2)

FRDF/PC-POD(2)

FRDN/PC-POD(2)

FRDR/PC-POD(2)

FRDW/PC-POD(2)

HON/PC-POD(2)

HON98/PC-POD(2)

VW/PC-POD(2)

VWR/PC-POD(2)

VW02/PC-POD(2)

1998-2006 AUDI w/ 13-pin DIN in trunk

1995-1998 Chryslers with 8-Pin & "Mode" button

1998-2002 Chryslers w/ 8-Pin and "CD-C" button

2002 & UP Chryslers w/ 10-Pin at Radio

2003-2006 FORD w/ 16/24 pin at radio

1998-2003 FORD Focus & 1999-2002 Cougar

1995-1998 FORD w/ 16-pin at radio

1998-2006 FORD w/ 16/20-pin at radio

1998-2006 FORD w/ "RCU"

1998-2006 FORD w/ 12-pin in trunk

1995-1998 HONDA & 1992-2001 Acura w/ 8-pin

1998-2004 HONDA & 1998-2005 Civic

1998-2006 VW w/ 12-pin in trunk

1998-2006 VW w/ 8-pin at radio

2002-2006 VW w/ 12-pin at radio

The POD series parts allow control of the iPod from the OEM radio only.

The POD2 series parts allow control of the iPod from the OEM radio and/or iPod.

POD/S

POD/S series parts allow full control of the iPod and display iPod text information on the radio display using the Satellite radio mode of the OEM headunit.

FRD04-POD/S*

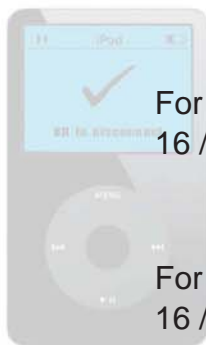
For 2006-2007 Ford / Lincoln / Mercury CAN-Bus Vehicles

FRD03-POD/S*

For 2004-2007 Ford / Lincoln / Mercury Vehicles with 16 / 20 pin "Phase II" connectors and "SAT" button

FRDN-POD/S*

For 2004-2007 Ford / Lincoln / Mercury Vehicles with 16 / 20 pin "World" connectors and "SAT" button



*Replaces factory Satellite Radio if present

POD/S

Control from iPod (excluding GM2L-POD/S) + OEM radio
(through Satellite Radio port) with Auxiliary Input

GM2L-POD/S

For GM Class II and LAN-Bus Vehicles

(Requires one of the harnesses listed below - sold separately)

- GM2L-R01** LAN-Bus
- GM2L-X01** LAN-Bus with XM radio
- GM2L-R02** LAN-Bus HHR
- GM2L-X02** LAN-Bus HHR with XM radio
- GM2L-R03** CLASS II
- GM2L-X03** CLASS II with XM radio
- GM2L-R04** EQUINOX
- GM2L-R05** LAN-Bus MALIBU

NOTE: The "R" in the part # mean that the harness connects at the radio.
The "X" in the part# means that the harness connects at the XM tuner.

GM12-POD/S

For GM Class II Vehicles

(Requires one of the harnesses listed below - sold separately)

- GM12-R1** (for vehicles without XM)
- GM12-X1** (for vehicles with XM)

GMLAN-POD/S

For GM LAN-Bus Vehicles

(Requires one of the harnesses listed below - sold separately)

- GMLAN-R1** (for vehicles without XM)
- GMLAN-X1** (for vehicles with XM)

CHRY04-POD/S

For 2004-2007 Chrysler / Dodge / Jeep CAN-Bus Vehicles

Control from iPod + OEM radio
(replaces factory Satellite Radio if present)

TOY03-POD/S

For 2003-2007 Toyota / Lexus / Scion vehicles with SAT button

Control from iPod + OEM radio
(through Satellite Radio port) with Auxiliary Input
(Requires one of the harnesses listed below - sold separately)

- TOY03-R1** (connects at radio)
- TOY03-X1** (connects at XM tuner)
- TOY03-S1** (connects at Sirius tuner)

Universal iPod Adaptors



The RCA-POD connects to any iPod with a Dock connector. It converts the audio output of the iPod to RCA's (Left and Right). This cable connects to any RCA Auxiliary Audio Input to play the audio from your iPod through the audio system while maintaining the digital quality sound. Power and Ground connections are provided on the RCA-POD for charging the iPod.



The AV-POD, compatible with the iPod Video, will convert the audio and video output of the iPod to RCA's (Left, Right, and *Video). You may connect this to any RCA Auxiliary Audio/Video Input to play the audio and video of your iPod video through your system while maintaining the digital quality sound and video. Power and Ground connections are provided on the AV-POD for charging the iPod.



The 3.5-POD connects to any iPod with a Dock connector. It converts the audio output of the iPod to a 3.5mm Stereo Jack. This cable connects to any 3.5mm Auxiliary Audio Input to play the audio from your iPod through the audio system while maintaining the digital quality sound.

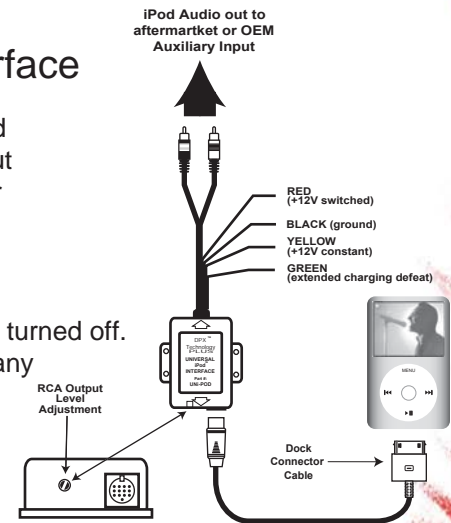
UNI-POD Audio & Charging Interface

The UNI-POD is a universal iPod interface that charges your iPod and converts its audio output to RCA level for use with OEM Auxiliary Input Converters, PIE Aftermarket Auxiliary Adapters, or any aftermarket or OEM auxiliary input port.

The UNI-POD offers the following features:

- Single connection to iPod for both charging and audio.
- Option to keep charging voltage on for 20 minutes after ignition is turned off.
- Adjustable Audio (RCA) level output to allow level matching with any aftermarket or OEM Audio System.
- Incorporates patented Crystal-Line audio circuitry for crystal clear sound.

Compatible with the following iPod models:
Mini, Color, Nano, Photo, Video, G3, G4.



AUDIO & VIDEO CABLES

2.5-3.5/4MM	2.5mm to 3.5mm cable for PDA, Cell Phones, etc. - 4 FT.
2.5-RCA/4MM	2.5mm to RCA for Cell Phones with MP3 Players - 4 FT.
3.5-3.5/1.5MM	3.5mm to 3.5mm male to male audio cable - 1.5 FT.
3.5-3.5/6MM	3.5mm to 3.5mm right-angle interconnect cable - 6 FT.
3.5-3.5/6AV	4 position 3.5mm to 4 position 3.5mm audio/ video cable - 6 FT.
3.5-RCA6MM	3.5mm to RCA adapter - 6 FT.
3.5F-AV	3.5mm female input jack to audio/ video male RCAs
3.5M-AV	3.5mm straight male to audio/ video male RCAs
3.5M-FF	3.5mm male plug to two 3.5mm female input jacks
3.5MR-AV	3.5mm right-angle male to audio/ video male RCAs

Audio & Video cables above are also available in bulk -10 pieces per bag.

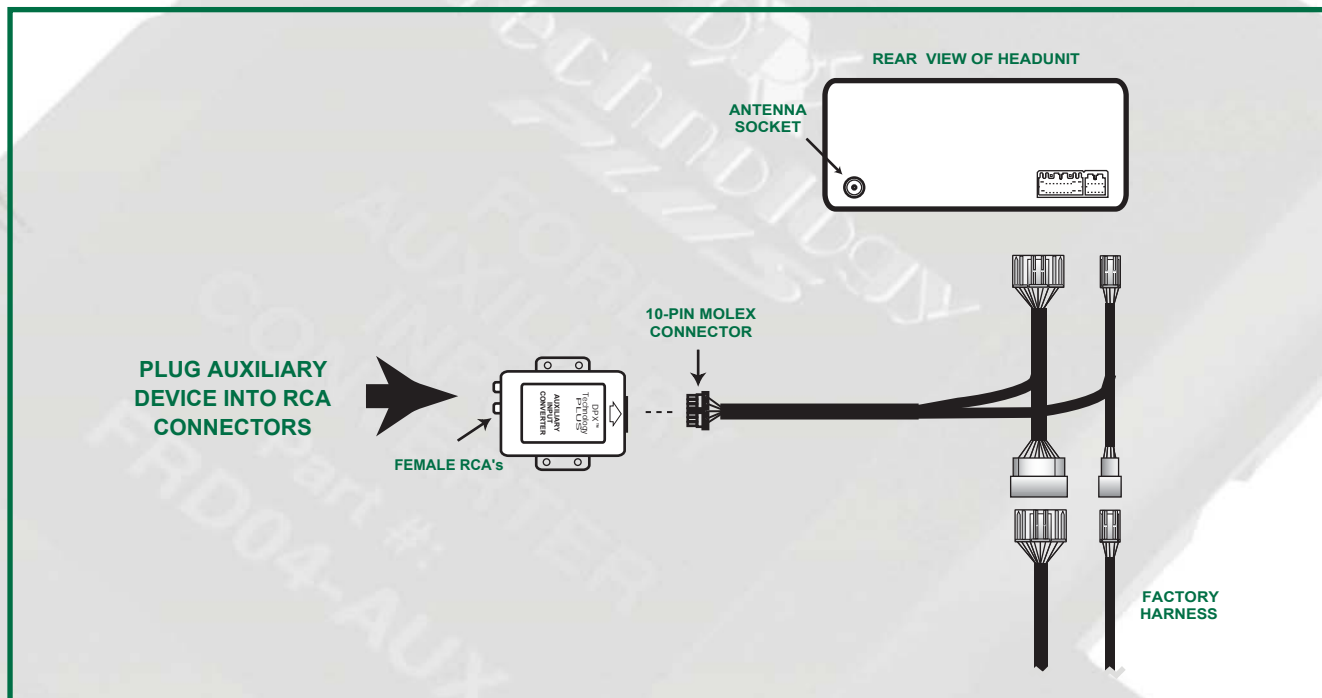
OEM RADIO AUXILIARY INPUT CONVERTERS

AUD-AUX	1998-2007 Audi with 13-pin DIN connector in rear
BMW/PC-SON	1996-2006 BMW with 3/6-pin connectors in trunk
CHRY-AUX	1995-2000 Chrysler with 8-pin DIN connector at headunit
CHRY98-AUX	1998-2001 Chrysler with rounded face radio and "CD-C" button
CHRY02-AUX	2002-2007 Chrysler with 10-pin square connector at headunit
CHRY04-AUX	2004-2007 Chrysler / Dodge / Jeep with "CAN-BUS" radios (through RSE port)
CHRY04-AUX/S	2004-2007 Chrysler / Dodge / Jeep with "CAN-BUS" radios (through SAT port)
FRD03-AUX	2003-2005 Ford / Lincoln / Mercury with 16/24-pin connectors at headunit
FRD03-AUX100	2004-2006 Ford / Lincoln with 16/24-pin connectors at headunit (through RSE port)
FRD03-AUX/S	2004-2007 Ford / Lincoln / Mercury with 16/24-pin radios with "SAT" button
FRD04-AUX	2004-2007 Ford / Lincoln / Mercury "CAN-BUS" radios with "AUX" button
FRDC-AUX	1999-2006 Ford / Mercury with 12-pin connector at headunit
FRDF-AUX	1995-1998 Ford / Lincoln / Mercury with 16-pin connector at headunit
FRDN-AUX	1998-2005 Ford / Lincoln / Mercury with 20-pin connector at headunit
FRDN-AUX100	2003 Ford Expedition / Lincoln Navigator (through RSE port)
FRDN-AUX/S	2004-2007 Ford / Mercury 16/20-pin radios with "SAT" button
FRDR-AUX	1995-2006 Ford / Lincoln / Mercury with Rear Control Unit in trunk
FRDW-AUX	1997-2007 Ford / Lincoln / Mercury with 12-pin connector in trunk
GM9-AUX	1995-2005 GM with 9-pin connector at headunit
GM10-AUX	1995-2004 GM with 10-pin connector in trunk or hatch
GM12-AUXv2	2000-2007 GM with 12-pin connector at headunit
GM12-AUXv3	2004-2007 GM with 12-pin connector at headunit and "BAND" button (Dual AUX Inputs); requires a separate harness: part# GM12-R1 or GM12-X1
GM2L-POD/S	2004-2007 GM "LAN-BUS" & "Class II" radios (requires a separate harness)
GMLAN-AUX	2007 GM "LAN-BUS" radios (Dual AUX Inputs); requires a separate harness: part# GMLAN-R1 or GMLAN-X1
HON-AUX	1992-1998 Honda / 1992-2001 Acura with 8-pin DIN connector at headunit or trunk
HON98-AUX	1998-2005 Honda with 14-pin connector at headunit
HON03/PC-SON	2003-2007 Honda / 2004-2006 Acura with 14-pin connector at headunit
JAG-AUX	2000-2002 Jaguar S Type with 12-pin connector at headunit
JAGW-AUX	2000-2002 Jaguar S Type with 12-pin connector in trunk
LND/PC-SON	1998-2003 Land Rover with 10-pin connector under front passenger seat
LNDR/PC-SON	2003-2004 Freelander with 10-pin connector at headunit
MAZ/PC-ALP	2001-2006 Mazda to Alpine protocol (use with ALP/M-RCA for AUX input)
TOY-AUX	1998-2005 Toyota (non-NAV) with 12-pin connector at headunit
TOY03-AUX	2003-2007 Toyota / Scion (non-NAV) with 12-pin mini connector at radio
TOY03-AUX/S	2003-2007 Toyota / Scion (non-NAV) radios with "SAT" button and 12-pin connector at radio
VW-AUX	1998-2007 VW with 12-pin connector in trunk
VWR-AUX	1998-2007 VW with 8-pin connector at headunit
VW02-AUX	2002-2007 VW with 12-pin connector at headunit

Auxiliary Input Converters by P.I.E. are designed to convert the CD Changer port, Satellite Radio port, or the DVD port (depending on the functionality of the OEM radio) into an auxiliary input. Most commonly used for devices such as: Satellite Radios, iPod, MP3 Players, DVD Players, Game Systems, etc.

- Delivers 100% Digital Audio Signal
- Plug "N" Play Installation
- Guarantees Customer Satisfaction
- No need for FM-modulation

INSTALLATION DIAGRAM



NOTE: PIE part numbers ending in "SON" are Sony CD Changer Interfaces that can also be used as an Auxiliary Input Converter.



TRIPLE INPUT AUXILIARY INTERFACE

The X3 is an auxiliary input interface that is designed to integrate up to three auxiliary audio signals via RCA in OEM applications when there is a factory satellite receiver, slave (CD/cassette), external CD changer, or DVD player present*. The X3 system includes a wired remote selector switch which allows switching to any audio source by simply pressing a button. LEDs on the selector switch allow the user to easily identify which device is playing. LED display = [CD] [X1] [X2] [X3]. (Photo 1)

The system requires a vehicle-specific T-harness which connects the X3 interface to the vehicle's audio system. (Sold separately) (Photo 2)

The X3-EXT/15 is available for applications where the X3 interface is installed in the rear of the vehicle or any applications where additional cable length is required. (15 foot extension cable) (Photo 3)



Photo 1



Photo 2



Photo 3

X3 Product Line

X3

X3-CHRY98
X3-CHRY04

X3-FRDN
X3-FRD/P2
X3-FRDW

X3-GM9
X3-GM12

X3-HON98
X3-HON03

X3-TOY
X3-TOY03

X3-VWR

X3-EXT/15

Supported Vehicles**

Acura	1992-2007
Audi	1998-2007
Cadillac	1999-2006
Chevrolet	1995-2007
Chrysler	1998-2007
Dodge	1998-2007
Ford	1995-2007
GM	1995-2007
Honda	1998-2007
Hummer	2003-2007
Jeep	1999-2007
Lincoln	1995-2007
Mercury	1995-2007
Pontiac	1996-2007
Scion	2003-2007
Toyota	1998-2007
Volkswagen	1998-2007

*NOTE: For applications where there is no external factory device present, see our line of OEM Auxiliary Input Converters (AUX, AUX/S, XM5, XM6, etc.)

**NOTE: It is essential to refer to the PIE "X3" Application guide with specific year, make and model to ensure compatibility.

The X3 along with our extensive line of X3 harnesses provides for a comprehensive source of Plug N Play OEM integration possibilities, covering hundreds of today's vehicles.

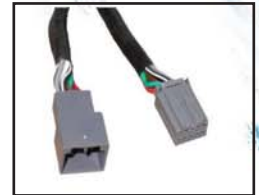
X3



X3



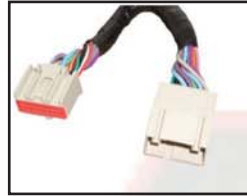
X3-CHRY98



X3-CHRY04



X3-FRDN



X3-FRD/P2



X3-FRDW



X3-GM9



X3-GM12



X3-HON98



X3-HON03



X3-TOY



X3-TOY03



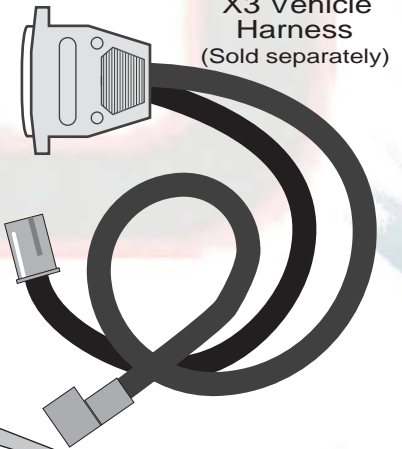
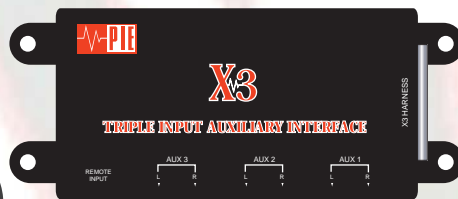
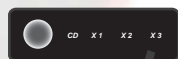
X3-VWR



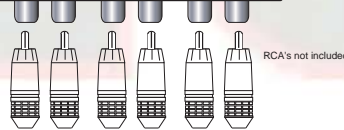
X3-EXT/15



Source
Selector



X3 Vehicle
Harness
(Sold separately)



RCA's not included

