

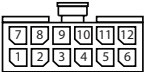
COMPATIBILITY

Audi / Volkswagen

AUDI		VOLKSWAGEN	
2002-2010	A3	2012-2014	Beetle
2001-2009	A4	2009-2014	Tiguan
2008-2010	A5	2009-2014	CC
2002-2004	A6	2004-2010	Touareg
2004-2009	S4	2006-2012	Eos
2009-2010	Q5	2002-2014	GTI
2002-2010	TT	2002-2014	Jetta
		2002-2014	Passat
		2006-2011	Rabbit

WIRES USED: (Highlighted in Gray)

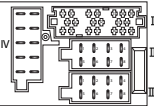
PIN	COLOR	DESCRIPTION
1	Black	Main Ground
2	Pink/Black	CAN Low (CAN -)
3	White/Red	iBus OR GM LIN
4	Red/White	Accessory In
5	Red	Accessory Out
6	Black	SWC Ground (Signal Return)
7	Yellow	+12V Constant
8	Pink	CAN High (CAN +)
9	Violet/White	Class II
10	Orange/Black	SWC 1
11	Yellow/Black	SWC 2
12	Green/White	SWC 3



12 Pin Molex Connector
on the SWR-100 Harness
PIN VIEW

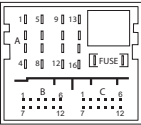
VEHICLE EXAMPLE: 2004 Audi A4 Connection

- 1) Pin#2 Pink/Black CAN Low (CAN-) wire connects to the 20 Pin Connector Pin#12 Orange/Brown wire on the vehicle side.
- 2) Pin#8 Pink CAN High (CAN+) connects to 20 Pin Connector Pin#7 Orange/Violet wire on the vehicle side.
- 3) Pin#1 Black Ground connects to Pin#8 Brown ground wire on the vehicle side.
- 4) Pin#7 Yellow +12V Constant connects to Pin#7 Red/Blue +12v Constant wire on the vehicle side.
- 6) Set DIP switch 1-4 following Radio chart, for this example we will be using a Pioneer radio. Set switches to OFF, OFF, ON, ON.
- 7) Set DIP switch 5-8 following Vehicles chart, for this example, set switches to OFF, OFF, ON, ON.
- 8) Connect 3.5 mm SWC Cable jack to aftermarket radio.



VEHICLE EXAMPLE: 2008 Volkswagen Jetta Connection

- 1) Pin#2 Pink/Black CAN Low (CAN-) Wire connects to Pin#10 Orange/Brown wire on vehicle side.
- 2) Pin#8 Pink Can High (CAN+) connects to Pin#9 Orange/Violet on vehicle side.
- 3) Pin#1 Black Ground connects to Pin#12 Brown ground wire on the vehicle side.
- 4) Pin#7 Yellow +12V Constant connects to Pin#15 Red/Yellow wire on the vehicle side.
- 6) Set DIP switch 1-4 following Radio chart, for this example we will be using a Pioneer radio. Set switches to OFF, OFF, ON, ON.
- 7) Set DIP switch 5-8 following Vehicles chart, for this example, set switches to OFF, OFF, ON, ON.
- 8) Connect 3.5 mm SWC Cable jack to aftermarket radio.



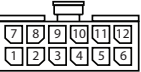
COMPATIBILITY

BMW

BMW w/ iBus Connection		BMW w/ CAN Bus Connection	
1994-2006	Compact (E46) Business Radio	2007-2013	1 Series (E81/82/87/88)
1991-1998	3 Series (E36) Business Radio	2005-2012	3 Series (E90/91/92)
1998-2005	3 Series (E46) Business/Nav Radio		
1996-2000	5 Series (E39) Business Radio & Nav	2001-2006	Compact (E46) Nav Radio
1994-2001	7 Series (E38) Business Radio & Nav	1998-2005	3 Series (E46) Nav Radio
2004-2006	X3 Navigation	2000-2003	5 Series (E39) Business & Nav Radio
2001- 2005	X5 4:3 Navigation	1994-2001	7 Series (E38) Nav Radio
2001-2002	Z3 Business Radio	2004-2006	X3 Business & Nav Radio
1996-2002	Z3 Business Radio	2003	X3 (E53)
1999-2002	M Roadster Business Radio	2001-2005	X5 Nav Radio
1999-2002	M Coupe Business Radio	2003-2006	Z4 Business & Nav Radio
2001-2005	Mini Business Radio		

WIRES USED: (Highlighted in Gray)

PIN	COLOR	DESCRIPTION
1	Black	Main Ground
2	Pink/Black	CAN Low (CAN -)
3	White/Red	iBus OR GM LIN
4	Red/White	Accessory In
5	Red	Accessory Out
6	Black	SWC Ground (Signal Return)
7	Yellow	+12V Constant
8	Pink	CAN High (CAN +)
9	Violet/White	Class II
10	Orange/Black	SWC 1
11	Yellow/Black	SWC 2
12	Green/White	SWC 3



12 Pin Molex Connector
on the SWR-100 Harness
PIN VIEW

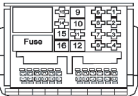
VEHICLE EXAMPLE: 2000 BMW 3 Series iBus Connection

- 1) Pin#3 White/Red (iBus) connects to Pin#7 White/Red/Yellow.
- 2) Pin#4 Red/White (ACC In) connects to Pin#5 Violet/White.
- 3) Pin#1 Black (Ground) connects to Pin#15 Brown.
- 4) Pin#7 Yellow (+12V Constant) connects to Pin#9 Red/Green.
- 6) Set DIP switch 1-4 following Radio chart, for this example we will be using a Pioneer radio. Set switches to OFF, OFF, ON, ON.
- 7) Set DIP switch 5-8 following Vehicles chart, for this example, set switches to OFF, OFF, OFF, OFF.
- 8) Connect 3.5mm SWC Cable jack to aftermarket radio.



VEHICLE EXAMPLE: 2004 BMW 5 Series CAN Bus Connection

- 1) Pin#2 Pink/Black (CAN-) connects to Pin#9 Brown.
- 2) Pin#8 Pink (CAN+) connects to Pin#11 Red/Brown.
- 3) Pin#1 Black (Ground) connects to Pin#15 Black.
- 4) Pin#7 Yellow (+12V Constant) connects to Pin#9 Yellow.
- 6) Set DIP switch 1-4 following Radio chart, for this example we will be using a Pioneer radio. Set switches to OFF, OFF, ON, ON.
- 7) Set DIP switch 5-8 following Vehicles chart, for this example, set switches to OFF, OFF, ON, ON.
- 8) Connect 3.5 mm SWC Cable jack to aftermarket radio.



COMPATIBILITY

Chrysler, Dodge, Jeep, Mitsubishi & VW

Chrysler		Dodge		Jeep	
2011-2014	200	2007- 2013	Avenger	2006-2010	Commander
2005-2010	300	2007-2012	Caliber	2007-2013	Compass
2007-2009	Aspen	2008-2014	Challenger	2005-2013	Grand Cherokee
2006-2010	PT Cruiser	2006-2010, 2013	Charger	2008-2012	Liberty
2007-2010	Sebring	2005-2011	Dakota	2007-2013	Patriot
2008-2014	Town & Country	2004-2013	Durango	2007-2014	Wrangler
		2009-2013	Grand Caravan		
		2009-2010, 2013	Journey	Mitsubishi	
		2005-2008	Magnum	2006- 2009	Raider
		2007-2011	Nitro		
		2006-2012	Ram	Volkswagen	
				2009-2013	Routan

WIRES USED: (Highlighted in Gray)

PIN	COLOR	DESCRIPTION
1	Black	Main Ground
2	Pink/Black	CAN Low (CAN -)
3	White/Red	iBus OR GM LIN
4	Red/White	Accessory In
5	Red	Accessory Out
6	Black	SWC Ground (Signal Return)
7	Yellow	+12V Constant
8	Pink	CAN High (CAN +)
9	Violet/White	Class II
10	Orange/Black	SWC 1
11	Yellow/Black	SWC 2
12	Green/White	SWC 3



12 Pin Molex Connector
on the SWR-100 Harness
PIN VIEW

VEHICLE EXAMPLE: 2009 Dodge Challenger Connection

- CAN+ = Pin 13 / CAN- = Pin 2 / Constant +12v = Pin 1 / Ground = Pin 12
- 1) Pin#2 Pink/Black CAN Low (CAN-) connects to Pin#2 White (CAN-) wire on the vehicle side.
 - 2) Pin#8 Pink CAN High (CAN+) connects to Pin#13 White/Orange (CAN+) wire on the vehicle side.
 - 3) Pin#1 Black (Ground) connects to Pin#12 Black/Green (Ground) wire on the vehicle side.
 - 4) Pin#7 Yellow (+12V Constant) connects to Pin#1 Red/Orange (Constant +12v) wire on the vehicle side.
 - 5) Set DIP switch 1-4 following Radio chart, e.g. For Pioneer set to : OFF, OFF, ON ,ON.
 - 6) Set DIP switch 5-8 following Vehicles chart, All CAN Only Vehicles are set to: OFF, OFF, ON , ON.
 - 7) Connect 3.5 mm Jack SWC Cable to Aftermarket radio.

VEHICLE EXAMPLE: 2005 Chrysler 300 Connection

- CAN+ = Pin 5 / CAN- = Pin 6 / Constant +12V = Pin 1 / Ground = Pin 22
- 1) Pin#2 Pink/Black CAN Low (CAN-) connects to Pin#6 White (CAN-) wire on the vehicle side.
 - 2) Pin#8 Pink CAN High (CAN+) connects to Pin#5 White/Orange (CAN+) wire on the vehicle side.
 - 3) Pin#1 Black (Ground) connects to Pin#11 Black/Light Green (Ground) wire on the vehicle side.
 - 4) Pin#7 Yellow (+12V Constant) connects to Pin#1 Yellow/Light Green (Constant +12v) wire on the vehicle side.
 - 5) Set DIP switch 1-4 following Radio chart, e.g. For Pioneer set to: OFF, OFF, ON, ON.
 - 6) Set DIP switch 5-8 following Vehicles chart, All CAN Only Vehicles, set to: OFF, OFF, ON , ON.
 - 7) Connect 3.5 mm SWC Cable jack to Aftermarket radio.

COMPATIBILITY

Chevrolet / Pontiac / Saturn LAN Bus

GM LAN 11 Bit 14 & 16 Pin Connectors		GM LAN 24 Pin Connector	
Chvrolet		Chevrolet	
2007-2010	Cobalt	2005-2006	Cobalt
2007-2011	HHR	2004-2007	Malibu
2008-2012	Malibu	2004-2007	Malibu Maxx
		2008	Malibu Classic
Pontiac		Pontiac	
2007-2009	G5	2005-2007	G6
2008-2009	G6		
2006-2009	Solstice		
Saturn			
2007-2009	Aura		
2007	Ion		
2007-2010	Sky		

WIRES USED: (Highlighted in Gray)

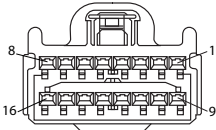
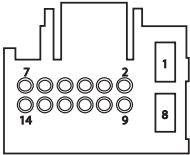
PIN	COLOR	DESCRIPTION
1	Black	Main Ground
2	Pink/Black	CAN Low (CAN -)
3	White/Red	iBus OR GM LIN
4	Red/White	Accessory In
5	Red	Accessory Out
6	Black	SWC Ground (Signal Return)
7	Yellow	+12V Constant
8	Pink	CAN High (CAN +)
9	Violet/White	Class II
10	Orange/Black	SWC 1
11	Yellow/Black	SWC 2
12	Green/White	SWC 3



12 Pin Molex Connector
on the SWR-100 Harness
PIN VIEW

VEHICLE EXAMPLE: 2010 Chevrolet HHR 14 & 16 Pin Connection

- 1) Pin#8 Pink (CAN+) connects to Pin#9 Dark Green/White (14 Pin Connector).
- 2) Pin#11 Yellow/Black (SWC 2) connects to Pin#11 Dark Blue (14 Pin Connector).
- 3) Pin#1 Black (Ground) connects to Pin#8 Black/White (14 Pin Connector).
- 4) Pin#6 Black (SWC Ground) connects to Pin#8 Black/White (16 Pin Connector) 10V Reference wire.
- 5) Pin#7 Yellow (+12V Constant) connects to Pin#1 Red/White (14 Pin Connector).
- 6) Set DIP switch 1-4 following Radio Chart, e.g. For Pioneer Set to: OFF, OFF, ON,ON.
- 7) Set DIP switch 5-8 following Vehicle Chart, GM LAN 11 Bit Set to: OFF, OFF, OFF, ON
- 8) Connect 3.5mm SWC Cable jack to aftermarket radio.



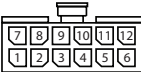
COMPATIBILITY

Buick / Cadillac / Chevrolet / GMC / Hummer / Isuzu / Oldsmobile / Pontiac / Saab / Saturn

Class II SWC Vehicles		GMC		Analog SWC Vehicles	
Buick		2004-2011	Canyon	2005-2009	Buick LaCrosse
2004-2005	Century	2002-2009	Envoy	2008-2010	Chevy Corvette
2005-2007	LaCrosse	2003-2007	Savana	2000-2005	Monte Carlo
2004-2007	Rainier	2003-2006	Sierra	2000-2005	Chevy Impala
2003-2005	Rendezvous	2007	Sierra Classic	2001-2005	Pontiac Grand Am
2005-2007	Terraza	2003-2006	Yukon	2004-2008	Pontiac Grand Prix
Cadillac		Hummer			
2003- 2006	Escalade	2003- 2007	H2		
Chevrolet		2005-2009	H3		
2003-2006	Avalanche	Isuzu			
2000-2005	Cavalier	2003-2008	Ascender		
2004-2013	Colorado	Oldsmobile			
2005-2013	Corvette	2001-2004	Alero		
2004-2007	Express	2002-2004	Bravada		
2000-2005	Impala	2000-2004	Silhouette		
2000-2005	Monte Carlo	Pontiac			
2003-2004	S-10	2001-2005	Aztec		
2003-2006	Silverado	2001-2005	Grand Am		
2007	Silverado Classic	2004-2008	Grand Prix		
2003-2006	SSR	2000-2006	Montana		
2003-2006	Suburban	2000-2005	Sunfire		
2003-2006	Tahoe	Saab			
2002-2009	Trailblazer	2005-2008	9-7X		
2005-2008	Uplander	Saturn			
2003-2005	Venture	2005-2007	Relay		

WIRES USED: (Highlighted in Gray)

PIN	COLOR	DESCRIPTION
1	Black	Main Ground
2	Pink/Black	CAN Low (CAN -)
3	White/Red	iBus OR GM LIN
4	Red/White	Accessory In
5	Red	Accessory Out
6	Black	SWC Ground (Signal Return)
7	Yellow	+12V Constant
8	Pink	CAN High (CAN +)
9	Violet/White	Class II
10	Orange/Black	SWC 1
11	Yellow/Black	SWC 2
12	Green/White	SWC 3



12 Pin Molex Connector
on the SWR-100 Harness
PIN VIEW

VEHICLE EXAMPLE: 2005 GMC Yukon Connection

- 1) Pin# 9 Violet/White (Class II) connects to Pin#A1 Orange.
- 2) Pin#1 Black (Ground) connects to Pin#A12 Black/White (Ground).
- 3) Pin#7 Yellow (+12V Constant) connects to Pin#B1 Orange.
- 4) Set DIP switch 1-4 following Radio chart , e.g. For Pioneer set to : OFF, OFF, ON ,ON
- 5) Set DIP switch 5-8 following Vehicles chart, GM Class II bit set to: OFF, OFF, ON, OFF
- 6) Connect 3.5 mm SWC Cable jack to Aftermarket radio.

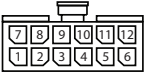
COMPATIBILITY

Ford CAN Bus

Ford 24 & 16 Pin Connector		Ford 24A Pin Connector	
2007-2010	Edge	2011-2015	Edge
2008-2012	Escape	2013-2015	Explorer
2006-2010	Expedition	2013-2015	F-Series
2007-2010	Explorer Sport Trac	2012-2015	Focus
2009-2012	F-150	2013-2015	Fusion
2008-2012	F-250	2013-2015	Taurus
2008-2012	F-350		
2008-2012	F-450		
2005-2007	Five-Hundred		
2008-2011	Focus		
2006-2007	Freestyle		
2006-2012	Fusion		
2005-2012	Mustang		
2008-2012	Taurus		

WIRES USED: (Highlighted in Gray)

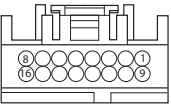
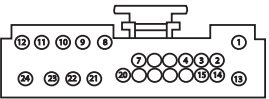
PIN	COLOR	DESCRIPTION
1	Black	Main Ground
2	Pink/Black	CAN Low (CAN -)
3	White/Red	iBus OR GM LIN
4	Red/White	Accessory In
5	Red	Accessory Out
6	Black	SWC Ground (Signal Return)
7	Yellow	+12V Constant
8	Pink	CAN High (CAN +)
9	Violet/White	Class II
10	Orange/Black	SWC 1
11	Yellow/Black	SWC 2
12	Green/White	SWC 3



12 Pin Molex Connector
on the SWR-100 Harness
PIN VIEW

VEHICLE EXAMPLE: 2007 Ford F250 Connection

- 1) Pin#2 Pink/Black CAN Low (CAN-)connects to the 16Pin connector Pin#16 Violet/Orange Can Low wire on the vehicle side.
- 2) Pin#8 Pink CAN High (CAN+) connects to 16Pin connector pin#15 Can High Gray/Orange wire on the vehicle side.
- 3) Pin#1 Black (Ground) from SWR-100 connects to 24Pin Connector Pin#13 Black/Blue (Ground) wire on the vehicle side.
- 5) Pin#7 Yellow (+12V Constant) connects to 24Pin Connector Pin#1 White/Red (Constant) wire on the vehicle side.
- 6) Set DIP switch 1-4 following Radio chart,e.g. For Pioneer set to : OFF, OFF, ON, ON
- 7) Set DIP switch 5-8 following Vehicles chart, Ford set to: OFF, OFF, ON, ON
- 8) Connect 3.5 mm SWC Cable jack to Aftermarket radio.



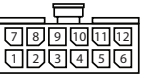
COMPATIBILITY

Ford

Ford		Lincoln	
2004-2006	Crown Victoria	2003-2005	Aviator
2007-2010	Edge	2004-2006	LS
2008-2012	Escape	2006-2008	Mark LT
2004-2010	Expedition	2009-2010	MKS
2004-2010	Explorer	2010-2011	MKT
2004-2012	F-150	2006-2011	MXK
2004-2012	F-250	2006-2011	MKZ
2004-2012	F-350	2007-2011	Navigator
2004-2012	F-450	2004-2010	Town Car
2004-2012	F-550	2006	Zephyr
2005-2007	Five Hundred	Mercury	
2009-2012	Flex	2003- 2005	Grand Marquis
		2006-2010	Mariner
		2006-2011	Milan
		2005-2007	Montego
		2004-2007	Monterey
		2006-2010	Mountaineer
		2008-2009	Sable

WIRES USED: (Highlighted in Gray)

PIN	COLOR	DESCRIPTION
1	Black	Main Ground
2	Pink/Black	CAN Low (CAN -)
3	White/Red	iBus OR GM LIN
4	Red/White	Accessory In
5	Red	Accessory Out
6	Black	SWC Ground (Signal Return)
7	Yellow	+12V Constant
8	Pink	CAN High (CAN +)
9	Violet/White	Class II
10	Orange/Black	SWC 1
11	Yellow/Black	SWC 2
12	Green/White	SWC 3



12 Pin Molex Connector
on the SWR-100 Harness
PIN VIEW

