



- Designed for non-amplified and amplified systems
- Provides accessory power (12-volt)
- Retains audio controls on the steering wheel
- Easy-to-set DIP switches for SWC configuration
- Provides NAV outputs (parking brake, reverse, and speed sense)
- Type "C" USB updatable
- All outputs are 250mA
- 1-year warranty

PRIOR TO INSTALLATION: Installation requires a certain level of technical knowledge. Prior to installation, it is important to read the manual. Select a location for installation that is dry and free from heat sources. It is essential to use the correct tools during installation to prevent any damage to the vehicle or the product itself.

PLEASE NOTE: We cannot be held liable for any issues arising from improper installation. Before proceeding with installation, disconnect the negative battery terminal and ensure the key is removed from the ignition.

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Visit MetraOnline.com for more detailed information about the product and up-to-date vehicle specific applications

Visit our [**Vehicle Fit Guide**](#) for up-to-date vehicle-specific applications.

COMPONENTS

- MET-GM7 interface
- Vehicle-specific harness
- 3.5mm pigtail

ATTENTION: With the key out of the ignition, disconnect the negative battery terminal before installing this product. Ensure that all installation connections are secure before cycling the ignition to test this product.

NOTE: Refer also to the instructions included with the aftermarket radio.

APPLICATIONS

Buick

Century	2004–2005
LaCrosse	2005–2007
Rainier	2004–2007
Rendezvous	2003–2007
Terraza	2005–2007

Cadillac

Escalade	2003–2006
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Chevrolet

Avalanche	2003–2006
Cavalier	2000–2005
Colorado	2004–2013
Corvette	2005–2013
Express	2004–2007
Impala	2000–2005
Monte Carlo	2000–2005
S-10	2003–2004

Chevrolet cont.

Silverado	2003–2006
SSR	2003–2006
Suburban	2003–2006
Tahoe	2003–2006
Trailblazer	2002–2009
Uplander	2005–2008
Venture	2003–2005

GMC

Canyon	2004–2011
Envoy	2002–2009
Savana	2003–2007
Sierra	2003–2006
Sierra Classic	2007
Yukon	2003–2006

Hummer

H2	2003–2007
H3	2005–2010

Isuzu

Ascender	2003–2008
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Oldsmobile

Alero	2001–2004
Bravada	2002–2004
Silhouette	2000–2004

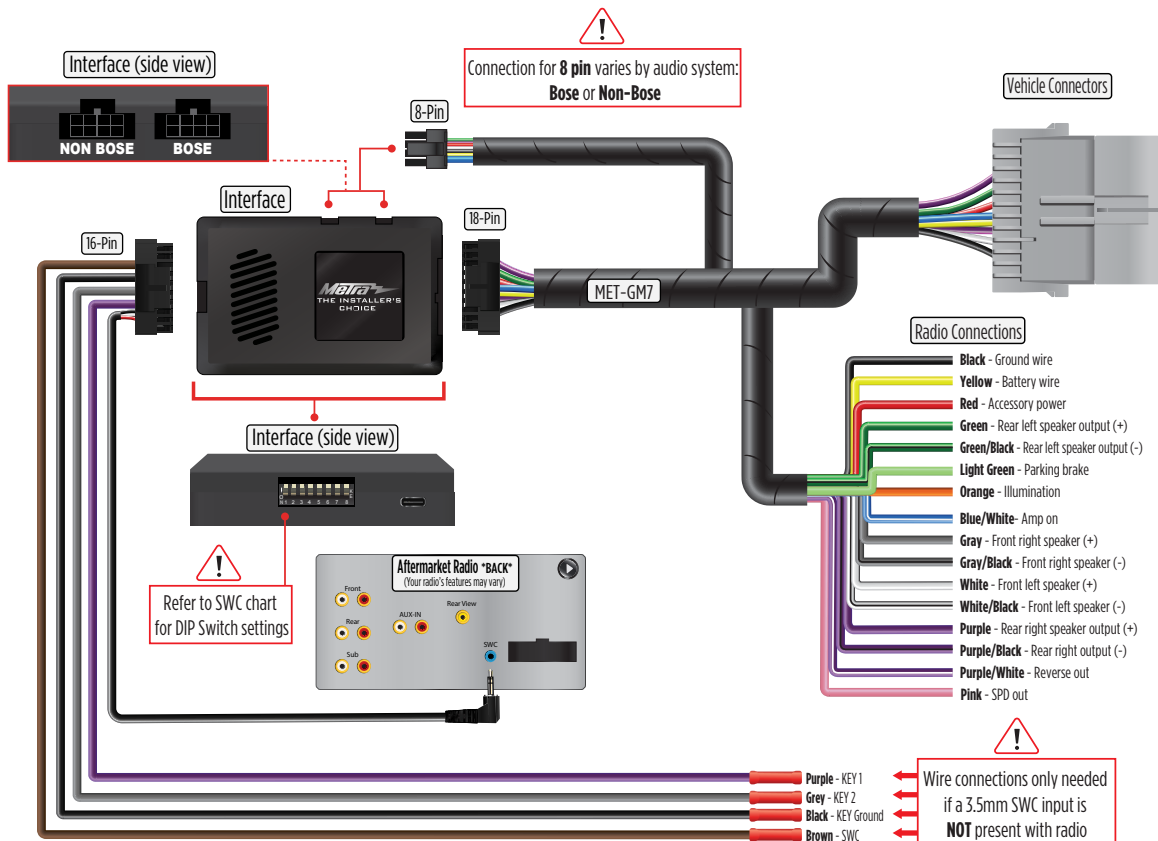
Pontiac

Aztec	2001–2005
Grand Am	2001–2005
Grand Prix	2004–2008
Montana	2000–2006
Sunfire	2000–2005

Saturn

9-7X	2005–2008
Relay	2005–2007

HARNESS INSTALLATION



DIP SWITCH 1-8 CONFIGURATIONS

MANUFACTURER	SYSTEM	DIP SWITCH CONFIGURATION				CONNECTION
		1	2	3	4	
RESERVED	NA	OFF	OFF	OFF	OFF	SOFTWARE UPDATE MODE
AERPRO	ANALOG	OFF	OFF	ON	ON	MALE 3.5MM JACK
ALPINE	IR DATA	OFF	ON	OFF	OFF	MALE 3.5MM JACK
ANALOG SINGLE EXTEND	ANALOG	ON	ON	ON	ON	BROWN SWC IR
ANALOG SINGLE WIRE	ANALOG	ON	ON	ON	OFF	BROWN SWC IR
CLARION	IR DATA	ON	OFF	OFF	ON	MALE 3.5MM JACK
CUSTOM	IR DATA	ON	OFF	ON	OFF	HEAD UNIT DEPENDENT
GRUNDIG	IR DATA	OFF	ON	OFF	ON	BROWN SWC IR
JVC	IR DATA	OFF	OFF	ON	OFF	BROWN SWC IR
KENWOOD 1	IR DATA	ON	OFF	OFF	OFF	BROWN SWC IR
KENWOOD 2	IR DATA	ON	ON	OFF	OFF	BROWN SWC IR
KEY 1 / KEY 2	ANALOG	OFF	ON	ON	OFF	KEY1 / KEY 2 WIRES
KEY 1 / KEY 2 EXTEND	ANALOG	OFF	ON	ON	ON	KEY1 / KEY 2 WIRES
PHILIPS	IR DATA	OFF	ON	OFF	ON	BROWN SWC IR
PIONEER 1	ANALOG	OFF	OFF	OFF	ON	MALE 3.5MM JACK
PIONEER 2	ANALOG	OFF	OFF	ON	ON	MALE 3.5MM JACK
SONY	ANALOG	ON	OFF	ON	ON	MALE 3.5MM JACK
ZENEC	IR DATA	ON	ON	OFF	ON	BROWN SWC IR

DIP SWITCH 5 & 6

DIP Switch 5 & 6 are reserved for vehicle specific configuration.

DIP SWITCH 7 & 8

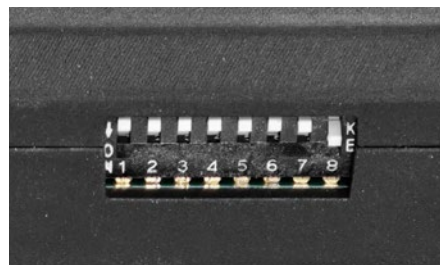
DIP Switch 7 & 8 are used to control the volume of the chimes.

7 OFF, 8 OFF = High volume

7 OFF, 8 ON = Medium volume

7 ON, 8 OFF = Low volume

7 ON, 8 ON = Chimes off



DIP SWITCH 5 & 6 CONFIGURATIONS

MAKE	MODEL	YEAR RANGE	DIP SWITCH CONFIG	
			5	6
BUICK	Century	2004-2005	OFF	ON
	LaCrosse	2005-2007	OFF	OFF
	Rainier	2004-2007	OFF	OFF
	Rendezvous	2003-2007	OFF	ON
	Terazza	2005-2007	OFF	OFF
CADILLAC	Escalade	2003-2006	OFF	OFF
CHEVROLET	Avalanche	2003-2006	OFF	OFF
	Cavalier	2000-2005	OFF	OFF
	Colorado	2004-2013	OFF	OFF
	Corvette	2005-2013	ON	OFF
	Express	2004-2007	OFF	OFF
	Impala	2000-2005	OFF	OFF
	Malibu	2001-2003	OFF	OFF
	Monte Carlo	2000-2005	OFF	OFF
	S-10	2003-2004	OFF	OFF
	Silverado	2003-2006	OFF	OFF
	Silverado Classic	2007	OFF	OFF
	SSR	2003-2006	OFF	OFF

MAKE	MODEL	YEAR RANGE	DIP SWITCH CONFIG	
			5	6
CHEVROLET	Suburban	2003-2006	OFF	OFF
	Tahoe	2003-2006	OFF	OFF
	Trailblazer	2002-2009	OFF	OFF
	Uplander	2005-2008	OFF	OFF
	Venture	2003-2005	OFF	OFF
GMC	Canyon	2004-2011	OFF	OFF
	Envoy	2002-2009	OFF	OFF
	Savana	2003-2007	OFF	OFF
	Sierra	2003-2006	OFF	OFF
	Sierra Classic	2007	OFF	OFF
	Yukon	2003-2006	OFF	OFF
HUMMER	H2	2003-2007	OFF	OFF
	H3	2005-2010	OFF	OFF

MAKE	MODEL	YEAR RANGE	DIP SWITCH CONFIG	
			5	6
ISUZU	Ascender	2003-2008	OFF	OFF
OLDSMOBILE	Alero	2001-2004	OFF	OFF
	Bravada	2002-2004	OFF	OFF
	Silhouette	2000-2004	OFF	OFF
PONTIAC	Aztec	2001-2005	OFF	OFF
	Grand Am	2001-2005	OFF	OFF
	Grand Prix	2004-2008	OFF	OFF
	Montana	2000-2006	OFF	OFF
	Sunfire	2000-2005	OFF	OFF
SAAB	9-7X	2005-2008	OFF	OFF
SATURN	Relay	2005-2007	OFF	OFF

KEY1 and KEY2

KEY1 and KEY2 are specifically tailored for analog learning mode-style radios. Our SWC module is designed with a resistor chain that precisely matches the required resistance for seamless compatibility with this type of head unit.

KEY1 and KEY2 EXTEND

This mode extends every button press to 2 seconds during the learning process. However, with rolling wheel-designed steering wheel buttons, holding for 2 seconds isn't feasible. Our **KEY1 and KEY2 Extend** feature addresses this by automatically prolonging each press, simplifying head unit programming even in such scenarios. Extend mode is not intended for normal use, it is only used in the teaching process.

ANALOG SINGLE WIRE and ANALOG SINGLE WIRE EXTEND

This function operates similarly to **KEY1 and KEY2** but transmits all unique values through the

IR SWC single wire. This is crucial for compatibility with learning-style head units featuring only one learning input wire. To ensure compatibility, we've incorporated this feature into our steering wheel control interface, ensuring seamless operation across various head unit setups.

The **Analog Extend** mode functions identically to its counterpart within the **KEY1 and KEY2** system but transmits through a single wire.

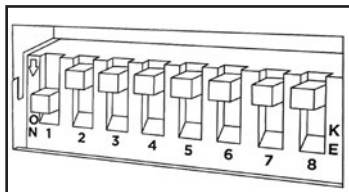
INSTALLATION GUIDE

Before Installation

Prior to installing the interface, it is essential to remove and disconnect the factory stereo. For guidance on this process, please refer to the vehicle owner's manual/handbook or seek assistance from a professional.

Setting the DIP Switches

This interface includes a set of DIP Switches. Consult the DIP Switch selection guide to select the appropriate configuration. To activate a DIP Switch, press it downward into the 'ON' position. Refer to the diagram below for an example of the 'KENWOOD' DIP Switch configuration. (Figure A)



(Figure A)

Installation

1. Take the interface, then connect the **20-PIN** head unit connection lead and the **16-PIN** steering wheel harness connectors to their respective ports. Connect the **8-PIN** connector to the appropriate BOSE or NON-BOSE port.
2. Connect the head unit connection lead to the steering wheel remote input on the rear side of the aftermarket stereo.
3. Connection methods vary based on the stereo brand, utilizing either a **3.5mm Jack** connector **SWC IR** wire or wired inputs **KEY1** and **KEY2**.
4. For specific connection guidance, refer to your aftermarket stereo's installation manual if not clearly labelled on the **stereo harness**.
5. Refer to the wiring chart and complete all required connections accordingly.
6. Connect the flying wires on the harness to the rear of the stereo (if applicable).
7. Connect the vehicle-specific connectors from the interface harness to the corresponding connectors on the vehicle harness.
8. Connect the antenna adapter to the vehicle's existing connection at the rear of the aftermarket stereo.
9. When installing a DAB antenna, ensure to connect the DAB aerial connector to the rear of the new stereo.
10. After connecting all wires (along with any additional accessories), it's crucial to thoroughly test the stereo and steering wheel controls before reassembling the dashboard. If steering wheel controls are unresponsive, inspect connections and check DIP Switch settings. Repeat the connection process if necessary, following the outlined steps.

BUTTON REMAPPING

Button Remapping for Steering Wheel Control (SWC) Interfaces

The steering wheel buttons listed offer the flexibility of being re-configured or assigned dual functions. The availability of these buttons depends on the specific vehicle to which the interface is being installed and if the aftermarket radio supports them.

In addition to button remapping, we offer the option to assign dual functions to each button on the steering wheel. This means that every button can be programmed to execute both a short press command and a long press command.

You can also add your own bespoke configuration. Button configuration can be done by PC, MAC and smart phone via the USB port.

Button Remapping instructions can be found in a separate guide on our website, MetraOnline.com.



- A. Volume Up
- B. Volume Down
- C. Track Up
- D. Track Down (Short Press)
Hang Up (Long Press)
- E. Source
- F. Pick Up (Short Press)
Voice Control (Long Press)
- G. Mute

Having difficulties? We're here to help.



Contact our Tech Support line at:

386-257-1187



Or via email at:

techsupport@metra-autosound.com

Tech Support Hours (Eastern Standard Time)

Monday-Friday: 9:00 AM-7:00 PM

Saturday: 10:00 AM-5:00 PM

Sunday: 10:00 AM-4:00 PM



**Metra recommends MECP
certified technicians**