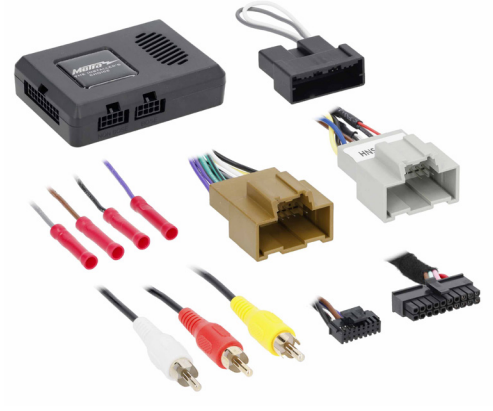


Data Interface with SWC
Fits Select GM 2016-2021

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

FEATURES

- Designed for non-amplified systems
- Provides accessory power (12-volt)
- Retains audio controls on the steering wheel
- Easy-to-set DIP switches for SWC configuration
- Retains backup camera
- Retains R.A.P. (Retained Accessory Power), chimes, and balance and fade
- Provides NAV outputs (parking brake, reverse, and speed sense)
- Supports multiple languages
- Type "C" USB updatable
- All outputs are 250mA
- 1-year warranty

APPLICATIONS

CHEVROLET

Camaro (RPO I0B).....2016-2018
Cheyenne (RPO I0B).....2016-2018
Colorado (RPO I0B).....2017-2021
Cruze (RPO I0A).....2016-2018
Equinox (RPO I0B).....2018
Malibu (RPO I0A).....2016- 2018
Silverado LD (RPO I0B).....2019
Silverado (RPO I0B.....2016-2018
Silverado 2500 / 3500 HD (RPO I0B)....2016-2019

GMC

Acadia (RPO I0B).....2017-2019
Canyon (I0B).....2017-2018
Sierra (RPO I0B).....2016-2018
Sierra Limited (RPO I0B).....2019
Sierra 2500 / 2500 HD (RPO I0B).....2015-2018
Terrain (RPO I0B).....2018

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COMPONENTS

- MET-GM10 interface
- Vehicle-specific harness

TOOLS REQUIRED

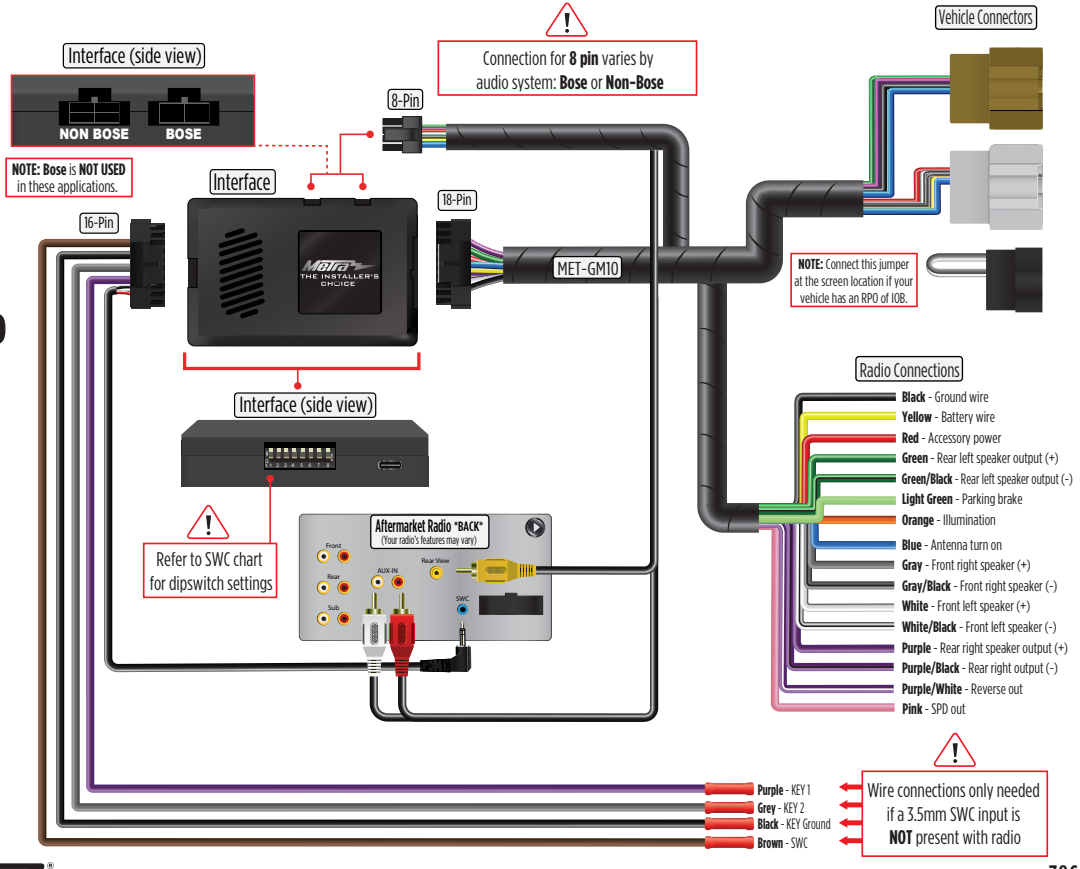
- Wire cutter
- Crimp tool and connectors (example: butt-connectors, bell caps, etc.) or
- Solder gun, solder, heat shrink
- Tape
- Zip-ties

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.

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HARNESS INSTALLATION

MET-GM10
NON-AMPLIFIED



DIP SWITCH CONFIGURATION

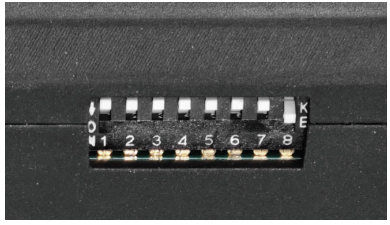
RESERVED	NA	OFF	OFF	OFF	OFF	x	x	SW UPDATE MODE
ALPINE	IR Data	OFF	**ON**	OFF	OFF	x	x	3.5MM JACK PLUG
AXXERA 2	IR Data	**ON**	**ON**	OFF	OFF	x	x	BROWN SWC/IR WIRE
ANALOG SINGLE WIRE TYPE 1	Learning	**ON**	**ON**	**ON**	OFF	x	x	BROWN SWC/IR WIRE
ANALOG SINGLE WIRE TYPE 2	Learning	**ON**	**ON**	**ON**	OFF	**ON**	x	BROWN SWC/IR WIRE
ANALOG SINGLE EXTEND	Learning	**ON**	**ON**	**ON**	**ON**	x	x	BROWN SWC/IR WIRE
CLARION TYPE 1	IR Data	**ON**	OFF	OFF	**ON**	x	x	3.5MM JACK PLUG
CLARION TYPE 2	IR Data	**ON**	**ON**	OFF	**ON**	x	x	BROWN SWC/IR WIRE
DUAL TYPE 1	Analog	**ON**	OFF	**ON**	**ON**	x	x	3.5MM JACK PLUG
GRUNDIG	IR Data	OFF	**ON**	OFF	**ON**	x	x	BROWN SWC/IR WIRE
JENSEN	Analog	OFF	OFF	OFF	**ON**	x	x	3.5MM JACK PLUG
JVC	IR Data	OFF	OFF	**ON**	OFF	x	x	BROWN SWC/IR WIRE
KENWOOD TYPE 1	IR Data	**ON**	OFF	OFF	OFF	x	x	BROWN SWC/IR WIRE
KENWOOD TYPE 2	IR Data	**ON**	**ON**	OFF	OFF	x	x	BROWN SWC/IR WIRE
KEY 1 / KEY 2	Learning	OFF	**ON**	**ON**	OFF	x	x	KEY 1 & KEY 2 WIRES
KEY 1 / KEY 2 EXTEND	Learning	OFF	**ON**	**ON**	**ON**	x	x	KEY 1 & KEY 2 WIRES
PHILIPS	IR Data	OFF	**ON**	OFF	**ON**	x	x	BROWN SWC/IR WIRE
PIONEER TYPE 1	Analog	OFF	OFF	OFF	**ON**	x	x	3.5MM JACK PLUG
PIONEER TYPE 2	Analog	OFF	OFF	**ON**	**ON**	x	x	3.5MM JACK PLUG
PIONEER TYPE 3	Analog	OFF	OFF	OFF	**ON**	**ON**	x	3.5MM JACK PLUG
SONY	Analog	**ON**	OFF	**ON**	**ON**	x	x	3.5MM JACK PLUG
VALOR	IR Data	**ON**	**ON**	OFF	**ON**	x	x	BROWN SWC/IR WIRE
ZENEC	IR Data	**ON**	**ON**	OFF	**ON**	x	x	BROWN SWC/IR WIRE

NOTE:

For vehicles that use DIP 5 for vehicle configuration, you will not need to try one of the 5 dip pattern radio settings.
Please refer to the full user manual to see if your vehicle requires DIP5 or DIP6 to be configured.

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



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.

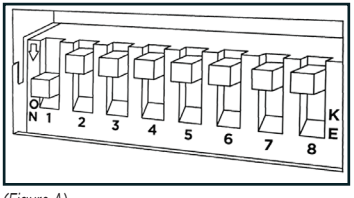
KEY1 and KEY2 EXTEND
This mode extends every button press to 2 seconds during the learning process. However, with rolling wheel-designed steering wheel buttons, holding for 2 seconds isn't feasible. Our **KEY1 and KEY2 Extend** feature addresses this by automatically prolonging each press, simplifying 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.

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 type 1'** DIP Switch configuration. (Figure A)

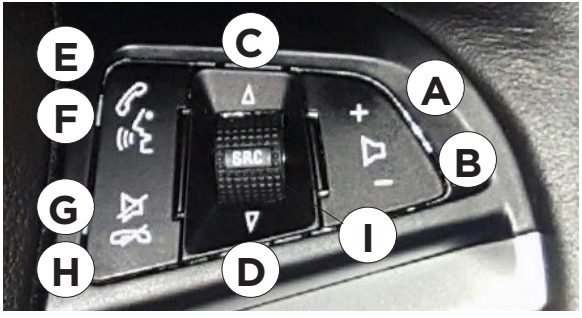


(Figure A)

Installation

1. Take the interface, then connect the **16-PIN** head unit connection lead and the **20-PIN** steering wheel harness connectors to their respective ports.
2. Connect the head unit connection lead to the steering wheel remote input on the rear side of the aftermarket stereo. Connection methods vary based on the stereo brand, utilizing either a **3.5mm Jack** connector **SWC IR** wire or wired inputs **KEY1 and KEY2.**
3. Connect the power/speaker wires from the interface to the corresponding power/speaker wires on the aftermarket stereo.
4. Connect the vehicle-specific connectors from the interface harness to the corresponding connectors on the vehicle harness.
5. Connect the wires on the harness to the rear of the stereo (if applicable).
6. Connect the antenna adapter to the vehicle's existing connection at the rear of the aftermarket stereo.
7. When installing an aftermarket reverse camera, connect the yellow RCA from the harness to the yellow RCA of the aftermarket camera. (If supported by the interface and vehicle)
8. 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.

STEERING WHEEL CONTROL CONFIGURATION



A Volume Up
B Volume Down
C Track Up
D Track Down
E Source
F Mute
G Pick Up
H Hang Up
I Voice Control

The image above serves as an example. Actual steering wheel control configurations may vary.

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.

SWC Configuration

On first installation set **DIP5** and **DIP6** to **OFF** for auto detection of the SWC type.

Press the **Track Down** button 5 times quickly and the interface will detect the steering wheel type. Once this is done and volume up and down and track up and down are functioning correctly. Check that Off-Hook / Speech and Mute / On-Hook are functioning. If not, set **DIP 5 ON** and **DIP 6 OFF**, then re-test.

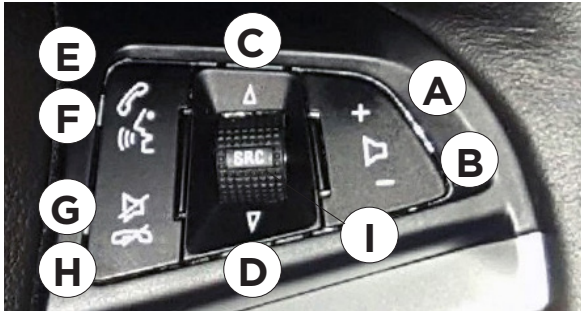
Vehicle Language Configuration

Important: The language configuration mode can only be accessed within 5 seconds of turning the vehicle key, and the radio coming on. After this, the Track Down button operates normally.

1. Select an instrument cluster screen containing recognisable text to identify the current language.
2. Remove the key, then open and close the driver's door to switch the radio off.
3. Reinsert the key and switch the ignition on.
4. Within 5 seconds, press and hold Track Down until two beeps are heard, then release.
5. Press Track Up / Down to cycle through the available languages.
6. To reset to the first language, press and hold Track Down for 2 seconds until a long beep is heard.
7. To save the selected language, press and hold Track Up for 2 seconds until two beeps are heard.

Note: If no button is pressed for 5 seconds, the system will exit automatically with three short beeps. The new language will not be saved and the instrument cluster will return to its original language. If the selected language is not supported by the vehicle, the instrument cluster will display its default language. This varies by vehicle and region.
Languages: 1. English, 2.French, and 3.Spanish.

BUTTON REMAPPING



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B Volume Down
C Track Up
D Track Down
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I Voice Control

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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.

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

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