# Steering Wheel Control Interface
## *for select Mitsubishi vehicles*

**CONNECTS2** ®



**Left to Right:**
i. OEM USB Retention Connector
ii. Vehicle Specific Connector
ii. Vehicle Specific Connector
iii. Vehicle Specific Connector
iv. Additional Flying Wires

v. ISO Power/Speaker Connector
vi. Aux RCA + 360 Camera RCA
vii. Interface Box
viii. OEM USB Retention Connector

**Designed and Engineered in the UK.**

# APPLICATION

*Note: Application data is subject to change at any time*

| | |
|---|---|
| **Mitsubishi Montero Sport** | **2016 - 2019** |
| **Mitsubishi Pajero Sport** | **2016 - 2019** |
| **Mitsubishi Shogun Sport** | **2016 - 2019** |

*For amplified vehicles, does not support fade.*

# FEATURES

- **Retains Factory Steering Wheel Control Functionality**
- **Retains Factory Phone Button Functionality**
- **Retains OEM Amplifier**
- **Retains OEM USB Input**
- **Retains 360 Panoramic Camera**
- **Provides Outputs for Park Brake, Speed Pulse & Reverse**
- **Software Updatable** *(contact supplier for more information)*

# PRODUCT INFORMATION

**CTSMT010.2**

The **CTSMT010.2** is a CAN Bus steering wheel control interface for select Mitsubishi vehicles. This interface aids in the retention of crucial steering wheel controls, the OEM amplifier, as well as access and control of the Mitsubishi's 360 Panoramic Camera functions.

*Please note: the interface works to retain the OEM amplifier only. This interface does not support the attenuator or fade controls of the OE amplifier.*
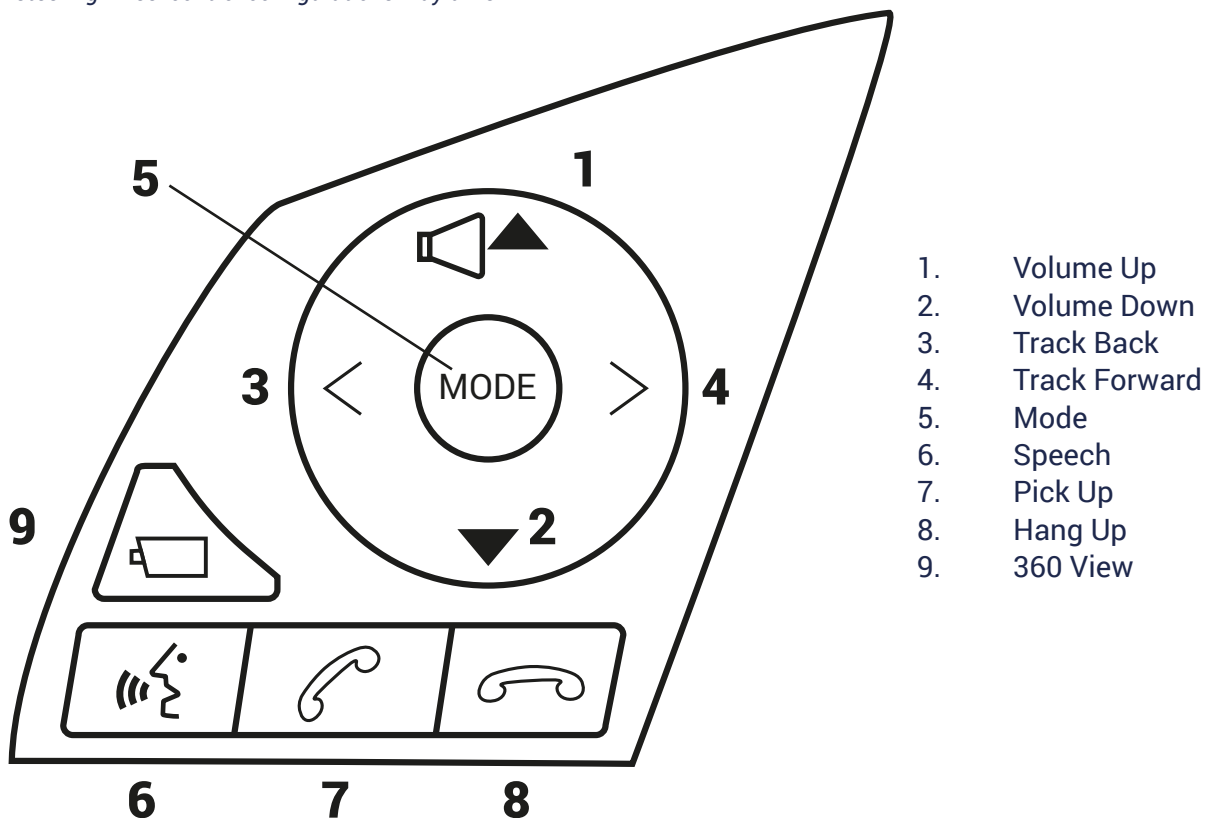
# WIRING KEY

## IN ISO CONNECTOR

| | | | |
|---|---|---|---|
| Purple | Right Rear Speaker + | Yellow | Permanent 12V |
| Purple/Black | Right Rear Speaker - | Black | Ground |
| Green | Left Rear Speaker + | Red | Ignition 12V |
| Green/Black | Left Rear Speaker - | Orange | Illumination |
| Grey | Right Front Speaker + | | |
| Grey/Black | Right Front Speaker - | | |
| White | Left Front Speaker + | | |
| White/Black | Left Front Speaker - | | |

## ADDITIONAL CONNECTIONS

| | | | |
|---|---|---|---|
| Pink | Speed Pulse | Red/White RCA | AUX Audio |
| Green | Park Brake | Yellow RCA | 360 Camera |
| Purple | Reverse Gear | | |

# STEERING WHEEL CONTROL FUNCTIONALITY

*The following diagram, though based on careful research, is an example only*
*Individual steering wheel control configurations may differ.*



1. Volume Up
2. Volume Down
3. Track Back
4. Track Forward
5. Mode
6. Speech
7. Pick Up
8. Hang Up
9. 360 View

CTSMT010.2_IG_v1

# PRIOR TO INSTALLATION

*Read the manual prior to installation. Technical knowledge is necessary for installation. The place of installation must be free of moisture and away from heat sources. Please ensure that the correct tools are used during the installation to avoid damage to the vehicle or product.*

**Connects2 can not be held responsible for the installation of this product.**

# INSTALLATION GUIDE
*See wiring diagram on Pg.4 for more information*

*Before installing the interface, the factory stereo must be removed and disconnected. To do this, please consult the vehicle owner's manual/handbook or contact a fitting professional.*

*A stereo connection (patch) lead is also required for the installation of this interface (supplied seperately). Please ensure that you have the correct lead before proceeding. For universal patch leads, prepare the wiring loops in accordance with the instruction manual supplied with the product before installation.*

1. Connect the 12 Pin connector from the stereo connection (patch) lead to the interface box.

2. Connect the opposite end of the stereo connection (patch) lead to the steering wheel control input on the back of the aftermarket stereo.

*NOTE: This may be a 3.5mm jack connector or a wired input depending on the brand of aftermarket stereo being fitted. Please consult the aftermarket stereo installation manual for further information on where to make the connection*

> **IMPORTANT: THIS STEP MUST BE COMPLETED BEFORE CONNECTING POWER TO THE INTERFACE. FAILURE TO DO SO MAY RESULT IN A LACK OF FUNCTIONALITY AND THE NEED TO REINSTALL THE PRODUCT**

3. Connect the 20 Pin connector from the supplied wiring loom to the interface box

4. Connect the power/speaker ISO connector to the power/speaker ISO connector at the rear of the aftermarket stereo

*NOTE: For aftermarket stereos which <u>do not</u> have an ISO connector, please see "Wiring Key" on Pg.2 for information on which wires to connect. Some interfaces may also have additional 'flying' wires which can be connected to the vehicle to support various features ie. parking brake trigger, reverse gear and speed pulse. Details of these can be found under 'Additional Connections'.*

5. Connect the additional wiring, AUX connectors & Yellow RCA connections to the aftermarket stereo's wiring harness where required.

6. Connect the 3x vehicle specific power connectors on the supplied harness to the matching OEM connectors of the vehicle.

7. Test stereo and steering wheel control functionality for correct operation before reassembling the vehicle dashboard. If steering wheel control functions are unresponsive, please uninstall the interface and wiring and reinstall carefully in accordance with the above steps.

*For further help and support, please contact us directly at support.connects2.com/tickets/technical and fill out a support ticket with the full details of your issue.*

Need help? Visit support.connects2.com/tickets/technical

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# 360 CAMERA FUNCTIONALITY
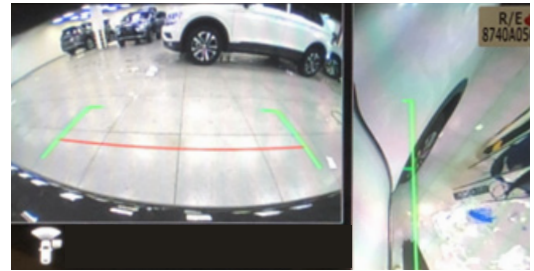
Access of the 360 Camera:

**When not in reverse** - a short initial press of the '360 view' button on the steering wheel will showcase the 'front view & 360 panoramic view' **(Figure 1)**. A second short press of the button will then switch the display to the 'front view & side view' **(Figure 2)**. A third press of the button will exit the 360 function.
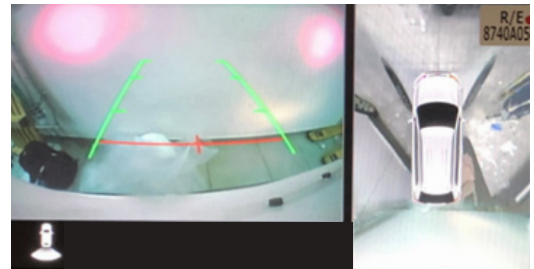
**360 View**


*(Figure 1)*


*(Figure 2)*

**When in reverse** - upon engaging the reverse gear, the display will switch to show the 'rear view & side view' **(Figure 3)**. A short press of the '360 view' button on the steering wheel will switch the display to 'rear view & 360 panoramic view' **(Figure 4)**. Disengagement of the reverse gear will exit the 360 camera mode.


*(Figure 3)*


*(Figure 4)*

# WIRING DIAGRAM



Connect to vehicle

**USB Retention Lead**

Connect to aftermarket stereo

**3x OEM Specific Connectors**
Connect to corresponding connector from vehicle

**Flying Wires**
Pink - Speed Pulse
Green - Park Brake
Purple - Reverse Gear

**ISO Connector**
Connect to aftermarket stereo

**White/Red RCA Connectors (AUX)**
Connect to aftermarket stereo

AUX

CAM

**Male Yellow RCA Connector**
Connect to aftermarket stereo camera input

**Main Wiring Loom Connector [20 Pin]**
Connect to Interface Box

**Interface Box**

**Stereo Connection (Patch) Lead Connector [12 Pin]**
Connect to Interface Box

Note: Must be connected first, before power connection is made to the interface