



Toyota Amplifier Interface 2018-Up

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INTERFACE FEATURES

- Provides NAV outputs (parking brake, reverse, speed sense)
- Pre-wired ASWC-1 harness (ASWC-1 sold separately)
- Retains the factory AUX-IN jack
- Retains the factory backup camera
- Includes an AX-CAM6V 12-to-6V step-down for the factory camera
- Designed for amplified models
- Retains balance and fade
- Micro-B USB updatable

INTERFACE COMPONENTS

- TYTO-03 interface • TYTO-03 harness
- 16-pin harness with stripped leads
- AX-CAM6V • Backup camera harness

APPLICATIONS

Toyota

Avalon	2019-Up	RAV4	2019-Up
Camry	2018-Up	Sienna	2018-Up

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TOOLS REQUIRED

- Crimping tool and connectors, or solder gun, solder, and heat shrink • Tape • Wire cutter
- Zip ties • Small flat-blade screwdriver

Product Info



CONNECTIONS

From the 16-pin harness with stripped leads to the aftermarket radio:

- Connect the **Blue/White** wire to the amplifier turn on wire. This wire must be connected to hear sound from the factory amplifier.
- Connect the **Gray** wire to the right front positive speaker output.
- Connect the **Gray/Black** wire to the right front negative speaker output.
- Connect the **White** wire to the left front positive speaker output.
- Connect the **White/Black** wire to the left front negative speaker output.
- Connect the **Green** wire to the left rear positive speaker output.
- Connect the **Green/Black** wire to the left rear negative speaker output.
- Connect the **Purple** wire to the right rear positive speaker output.
- Connect the **Purple/Black** wire to the right rear negative output.
- Tape off and disregard the following (6) wires, they will not be used in this application: **Blue/Pink, Brown, Green/Purple, Light Green, Orange/White, Red**

From the TYTO-03 harness to the aftermarket radio:

- Connect the **Black** wire to the ground wire. There will also be a ground wire from the *backup camera harness* to connect as well.
- Connect the **Yellow** wire to the battery wire.
- Connect the **Red** wire to the accessory wire.
- Connect the **Green/Purple** wire to the reverse wire, and also to the **Blue/White** wire from the **AX-CAM6V**.

The following (1) wire is only for a multimedia/navigation radio that requires this wire.

- Connect the **Blue/Pink** wire to the VSS/speed sense wire.
- Connect the **Red** and **White** RCA jacks to the audio AUX-IN jacks from the aftermarket radio.

12-pin ASWC-1 harness & 3.5mm jack:

The 12-pin **ASWC-1** harness & 3.5mm jack is to be used with the ASWC-1 (sold separately) to retain steering wheel audio controls. If the **ASWC-1** is not being used, disregard this harness. If it is to be used, please refer to the **ASWC-1** instructions for radio connections and programming. Disregard the harness that comes with the ASWC-1.

Backup camera harness:

- Connect the **Black** wire labeled "CAMERA GROUND", to the ground from the TYTO-03 harness, and also to the **Black** wire from the **AX-CAM6V**.
- Connect the **Red** wire labeled "CAMERA POWER 6V", to the **Blue/Red** wire from the **AX-CAM6V**.
- Connect the **Yellow** RCA jack labeled "BACKUP CAMERA", to the radios backup camera input.

The following (1) wire is only for a multimedia/navigation radio that requires this wire.

- Connect the **Light Green** wire to the radios parking brake wire.

INSTALLATION

With the key in the off position:

1. Connect the **16-pin harness with stripped leads**, and the **TYTO-03 harness**, into the **TYTO-03 interface**.
2. Connect the **backup camera harness**, and the **TYTO-03 harness**, to the wiring harness in the vehicle.
3. If an **ASWC-1** (sold separately) will be used, do not connect it until the **TYTO-03** is programmed and fully functional.

PROGRAMMING

Attention! If the interface ever loses power, the following steps will need to be performed again. Please ensure that the owner of the vehicle knows this.

1. Turn the key (or push-to-start button) to the ignition position and wait until the radio comes on.
Note: If the radio doesn't come on within 60 seconds, turn the key to the off position, disconnect the interface, check all connections, reconnect the interface, and then try again.
2. Cycle the key off, then back on. If the driver's door is closed, open and close the door.
3. Test all functions of the installation for proper operation, before reassembling the dash.

Note: To use fade, ensure that the radio is turned up 3/4 of the way. Also note that the fader will not entirely cut out the speakers.

AUDIO LEVEL ADJUSTMENT

1. With the vehicle and radio turned on, turn the volume up 3/4 of the way.
2. With a small flat-blade screwdriver, adjust the potentiometer clockwise to raise the audio level; counterclockwise to lower the audio level.
3. Once at a desired level, audio level adjustment is complete.



TYTO-03

INSTALLATION INSTRUCTIONS

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 - 7:00 PM

Sunday: 10:00 AM - 4:00 PM



KNOWLEDGE IS POWER

Enhance your installation and fabrication skills by enrolling in the most recognized and respected mobile electronics school in our industry. Log onto www.installerinstitute.com or call 800-354-6782 for more information and take steps toward a better tomorrow.



**Metra recommends MECP
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