AXXESS AXTC-BM1 Integrated Installation Guide

AXTC-BM1
INSTALLATION INSTRUCTIONS

BMW / Mini SWC (Steering Wheel Control) and Data Interface 2006-2012

Contents [**hide**]

INTERFACE FEATURES

- Provides accessory power (10-amp)
- Provides illumination, parking brake, reverse, and speed sense outputs
- Retains warning chimes through an onboard speaker
- Retains audio controls on the steering wheel
- Designed to be compatible with all major radio brands
- Auto-detects vehicle type, radio connection, and preset controls
- Ability to dual assign steering wheel control buttons
- Retains memory settings even after battery disconnection or interface removal (nonvolatile memory)
- Designed for non-amplified models, or when bypassing a factory amplifier
- Retains balance and fade
- Micro-B USB updatable

APPLICATIONS

BMW

1 Series	2008-2013
3 Series (1)	2012-2013
3 Series	2007-2011

(1) Excluding sedan models

3 Series (2)	2006
M3	2007-2013

(2) Sedan and Wagon only

Mini (Cooper)

Clubman (R55) Convertible (R57) Countryman (3)	2008-2014
	2009-2015
	2011-2016

Coupe (R58) Hatchback (R56)Paceman (3) Roadster (R59)	2012-2015 2007-2013 2011-2016 2012-2015

INTERFACE COMPONENTS

- AXTC-BM1 interface
- AXTC-BM1 harness
- 3.5mm adapter

TOOLS & INSTALLATION ACCESSORIES REQUIRED

- Crimping tool and connectors, or solder gun, solder, and heat shrink
- Tape
- Wirecutter
- Zip ties

Product Info

http://axxessinterfaces.com/product/AXTC-BM1

CONNECTIONS

3.5mm Adapter (for radios with a wire for SWC)
Boss (with SWC wire) : Key 1 (Gray) – Brown
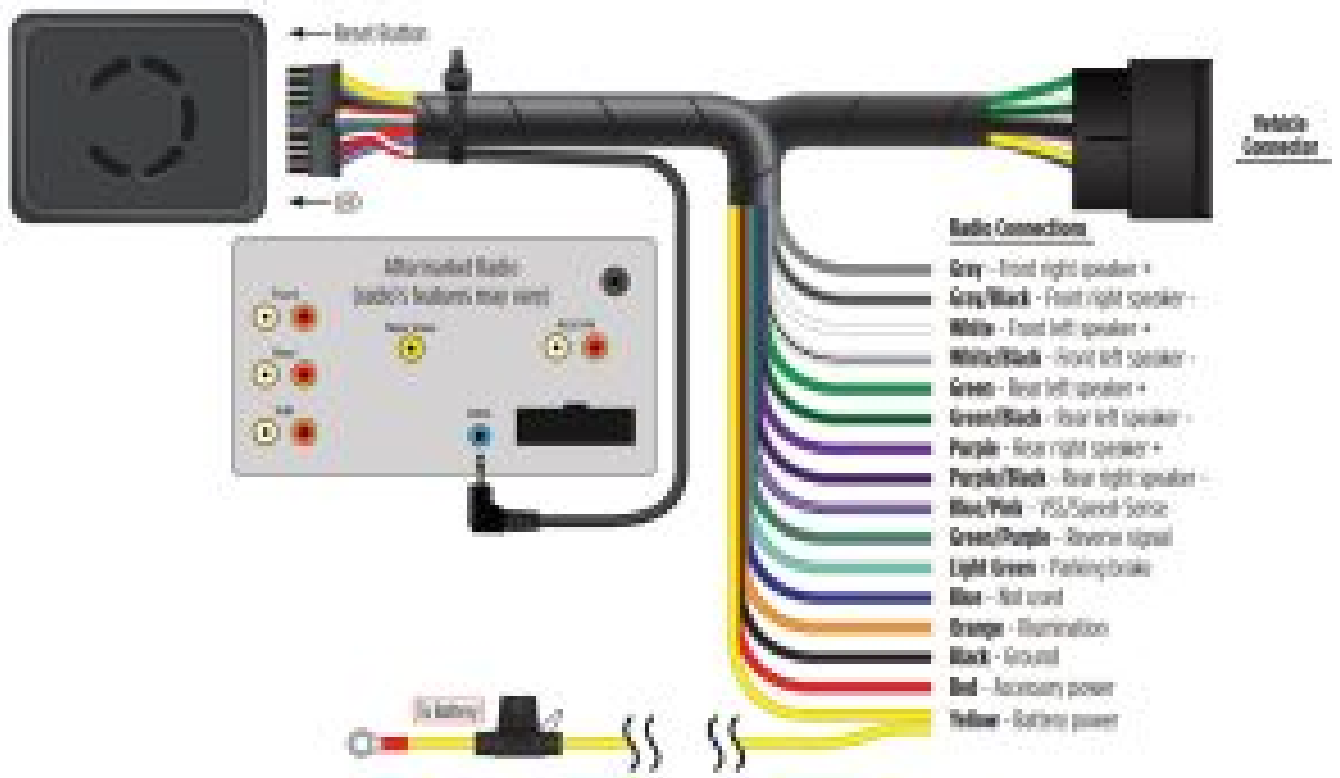**Kenwood** / **JVC (with SWC wire)** : Blue/Yellow – Brown
XITE: SWC-2 – Brown
Key-A or SWC-1 – Brown
Universal Radio*:
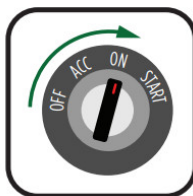Key-B or SWC-2 – Brown/White
* After programming, assign SWC buttons within the radio menu

Reset Button

LED

Radio Connection

Vehicle Connection

Aftermarket Radio
(radio's features may vary)

Radio Connection

Gray - Front right speaker +
Gray/Black - Front right speaker -
White - Front left speaker +
White/Black - Front left speaker -
Green - Rear left speaker +
Green/Black - Rear left speaker -
Purple - Rear right speaker +
Purple/Black - Rear right speaker -
Blue/Pink - VSS/Speed Sense
Green/Purple - Reverse signal
Light Green - Parking brake
Blue - Not used
Orange - Illumination
Black - Ground
Red – Accessory power
Yellow - Battery power

To battery

PROGRAMMING

Open the driver's door, and keep it open during the programming process.

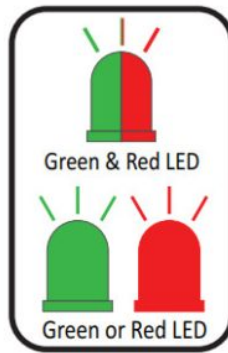Cycle the ignition on.
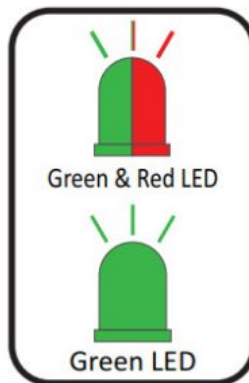

Connect the AXTC-BM1 harness to the AXTC-BM1 interface, and then to the wiring harness in the vehicle.
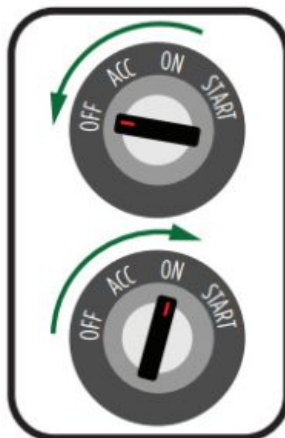

Tap Volume Up

VOL +

Locate the Volume Up button on the steering wheel. Program the interface by tapping the Volume Up button until the LED stops flashing.

Green & Red LED

Green or Red LED

The LED will flash Green & Red while the interface programs the radio to the steering wheel controls. Once programmed, the LED will go out, then produce a pattern that will identify the radio type installed. Refer to the Radio LED Feedback section under Troubleshooting for radio types.

Green & Red LED

Green LED

The LED will go out, then once again quickly flash Green & Red while the interface programs itself to the vehicle. Once programmed, the LED will go out again, then turn solid Green.
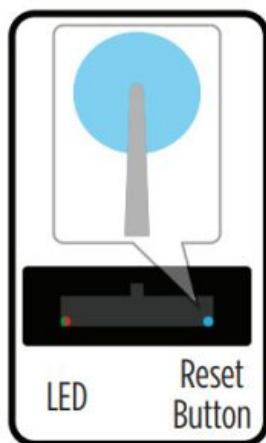

Cycle the ignition off, then back on.

Test all functions of the installation for proper operation.

TROUBLESHOOTING

1. If the interface fails to function, press and release the reset button, then repeat the programming process from step 4 to try again.

http://axxessinterfaces.com/product/AXTC-BM1

Further troubleshooting steps and information can be located at:

Final LED Feedback

2. At the end of programming, the LED will turn Solid Green which indicates programming was successful. If the LED didn't turn Solid Green, reference the list below to understand which programming section the problem may stem from.

LED Light	Radio Programming Section	Vehicle Programming Section
Solid Green	Pass	Pass
Slow Red Flash	Fail	Pass
Slow Green Flash	Pass	Fail
Solid Red	Fail	Fail

Note: If the LED shows Solid Green for Pass (indicating everything programmed correctly), yet the steering wheel controls don't work, make sure that the 3.5mm jack is plugged in, and lugged into the correct jack in the radio. Once corrected, press the reset button, then program again.

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 certified technicians

REV. 1/22/21 INSTAXTC-BM1

Documents / Resources

	AXXESS AXTC-BM1 Integrated [pdf] Installation Guide AXTC-BM1, Integrated