



AXi-RGB2 INSTALLATION MANUAL

**PLEASE REVIEW THIS INSTALLATION MANUAL
CAREFULLY BEFORE BEGINNING ANY WORK**



PROUDLY MADE IN USA

Rev. 4.0 081915

COMPATIBLE PLUG & PLAY WIRING HARNESSES

AXi-BMW18-R

AXi-CRVT-R

AXi-FL24-R

AXi-GM1-R

AXi-GM2-R

AXi-GMTOUCH-R

AXi-HA12-R

AXi-HA20-R

AXi-HA32-R

AXi-HA8P-R

AXi-HA16P-R

AXi-HA16PTL-R

AXi-HON1-R

AXi-MBCIRC-R

AXi-MBEIRC-R

AXi-NI24-R

AXi-NI1-R

AXi-NI2-R

AXi-TL10-R

AXi-TL24-R

AXi-UNIHAR-R

Tech Support: 844-AXX-ESSI WWW.AXXESSINTERFACES.COM



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IMPORTANT WARNING

This product includes instructions for installation which must be carefully followed. The instructions are worded in such a manner to assume that the installer is capable of completing these type of electronic installations. If you are unclear as to what you are instructed to do or believe that you do not understand the instructions so as to properly and safely complete the installation you should consult a technician who does have this knowledge and understanding.

Failure to follow these instructions carefully and to install the interface as described could cause harm to the vehicle or to safety systems on the vehicle. Interference with certain safety systems could cause harm to persons as well. If you have any questions in this regard please call the Metra Help line at 1-844-299-3774 and for ordering questions call Metra at 1-800-221-0932.



PRECAUTIONS: Please read before you start the installation

- Please study these instructions carefully before installing AXXESS.i interface.
- Many new vehicles use low-voltage or data-bus systems that can be damaged by test lights and logic probes. Test all circuits with a digital multi-meter before making connections.
- Do not disconnect the battery if the vehicle has an anti-theft-coded radio, unless you have the radio code.
- If installing an external push button switch, check with the customer about where to install the switch.
- To avoid accidental battery drainage turn off the interior lights or remove the dome light fuse.
- Roll down a window to avoid being locked out of the car.
- Use of this product in a manner different to its intended way of operation may result in property damage, personal injury, or death.
- Set Parking brake.
- Remove the negative battery cable.
- Protect fenders before starting.
- Using protective blankets to cover front seats, interior of the vehicle and center console.
- Always install a fuse 6-12 inches away from AXXESS.i interface, 5 amp fuse should be used.
- Always secure AXXESS.i interface with Velcro or double side tape to prevent rattling of the interface.
- When securing AXXESS.i interface make sure that panels can be closed back easily.
- Use electrical tape on all you connections and splices, do not leave any exposed connections.
- Route all wires along factory harnesses, try not to drill or make any unnecessary holes.
- Make sure you are not connecting to any data wires; always check your connections with a multi-meter.
- Always use help of a professional installer to prevent any damage to the vehicle or AXXESS.i interface.



Wiring Legend & Description

Video 1: Component video input for any external video source.

(if installing front camera make sure the camera does not have reverse image enabled, otherwise left and right view will be reversed)

Video 2: Component video input for back-up camera or any external video source.

(we recommend asking your customer if they plan to use the rear view camera while driving, in this event you will need to connect rear view camera to a +12V Accessory power instead of +12V reverse trigger, wiring of AXi-RGB2 orange reverse trigger wire doesn't change and should be still connected to +12V reverse trigger wire.)

Video Out: N/A. Video out is only available on AXi-RGB3

Red Wire: +12V Accessory power input, do not connect to +12V constant power.

An accessory wire will show +12V when the key is in the accessory and run positions. It will not show +12V during the cranking.

Always use a fuse within 6-12 inches of the point you obtain +12V accessory power.

Black Wire: Chassis ground connection.

We recommend that you connect AXi-RGB2 ground wire to the same ground location where you are installing AXi-RGB2. ex. If installing behind the screen or at the navigation brain, use ground wire of that component.

Gray Wire: Emergency brake input also known as foot brake or hand-brake; gray wire must rest at ground in order for Video 1 to activate, reverse camera will activate automatically on Video 2 when vehicle is shifted in reverse, no matter if gray wire connected to emergency brake or not.

(do not connect to ground , unless installing front camera or navigation system)

Blue Wire: Control wire for video input switching, used with specific Honda/Acura models instead of external push button.

Orange Wire: Reverse light input, reverse light wire shows +12V when vehicle is shifted into reverse, if an aftermarket back-up camera is not going to be installed or vehicle is already equipped with a factory camera DO NOT connect Orange wire.

Yellow Wire: Push button input switch, supplied push button switch is used to cycle between Video 1, Video 2 input and back to factory image.

Connecting supplied push button switch: Connect one side of the push button switch to +12V accessory power and connect other side of the push button switch to a yellow wire of AXi-RGB2 interface harness.



Wiring Legend & Description

Micro USB update port: see page 6-9 for configuration features and settings that may need to be configured prior to installation.

Status LED: 1st **green** LED is on for positive SYNC, 2nd **green** LED is on when SOG is active, 3rd **red** LED is on when negative SYNC is activate, 5th **orange** LED is status, 2 blinks H status, 1 blink S status. See fig.1 for the correct switch position.

Assignment Of Switch



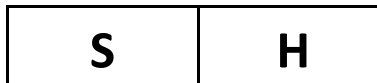
Fig.1

Switch is preset in the correct position for most installations, only in some cases you may need to adjust the switch position, or if image is not displayed correctly on the screen.

For most installations fig.1 shows correct switch position.

To access switch remove cover by removing four screws in each corner of AXi-RGB2

Switch should be set to **S** for most common installations.



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Feature Programming

Most installations of AXi-RGB2 do not require any type of programming prior to installation.

In some cases certain features and setting of AXI-RGB2 interface must be adjusted for video image to be displayed correctly.

To update, please follow the instructions below:

Download and install AXXESS.i online updater on your computer.

There will be 3 components installed on your PC

1. AXXESS.i online updater
2. Database Connector
3. TeamViewer

AXXESS.i online updater is only compatible with Microsoft Windows based PC.

After installation is complete go to your start menu locate the folder with AXXESS.i online updater and run the program.

We have built in AXXESS.i Team Viewer feature and live chat for tech support in case you have any question during the update process and require immediate support.

On the bottom left corner of the AXXESS.i online updater you will find a button for remote support.

Click the remote support button and TeamViewer will open.

It will generate one time ID and Password (ID and password changes every time program is open)

Provide us with this information and we will be able to help you remotely if such help is required. See fig.2 on page 7

Fig.2

Allow Remote Control

Please tell your partner the following ID and password if you would like to allow remote control.

Your ID**563 340 42****Password****192**

Connect AXi-RGB2 to your PC with micro USB cable (cable not supplied must be purchased separately)

Click on settings to open up the settings menu screen

This is your initial view fig.3 shown below

The screenshot shows the AXXESS.I software interface. At the top, there is a USB icon, a text box containing 'AR1280U-071015-163457', a 'Settings' button circled in red with a red arrow pointing to it, and a 'Download Manual' button. Below this is a section for 'Make, Model and Year' and 'Function'. The 'Make, Model and Year' field contains 'ALL ALL SERIES 2003-2009' and the 'Function' field contains 'RGB out, 2xCVBS in'. A red box highlights these two fields, and a red arrow points to the 'Settings' button. Below this, a red banner reads 'IGNORE INFORMATION IN THE BOXES ABOVE'. The 'Search' section has three dropdown menus: 'Make' (ALL MAKES), 'Model' (ALL MODELS), and 'Year' (ALL YEARS), followed by a 'Search' button. Below the search section, there is a checkbox for 'My vehicle has a manual transmission' and a message: 'One record found for ALL makes ALL models ALL years'. A table with 5 columns (Vehicle make, Vehicle model, Year, Description, Update) shows one record: 'ALL', 'ALL SERIES', '2003-2009', 'RGB out, 2xCVBS in', 'Free'. At the bottom, there is a warning icon and text: 'Attention! If you press Install button, your device will be erased, the current software will be lost and selected software will be installed (you will need an activation code for paying update)'. An 'Install' button is also present.

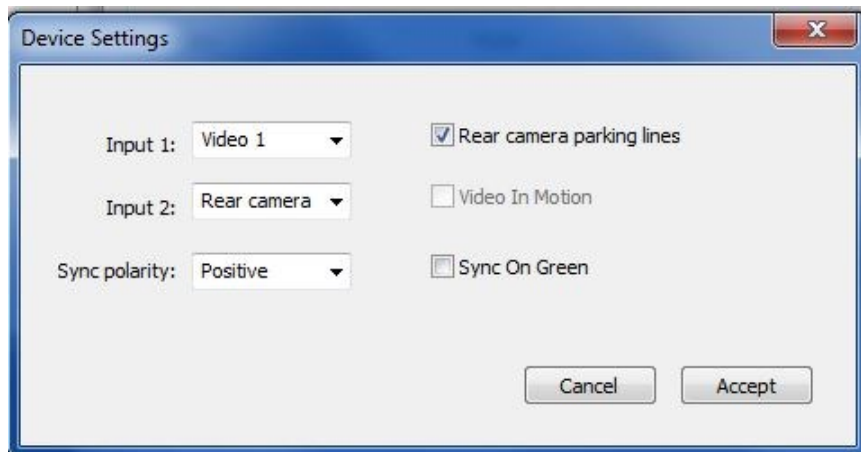
Vehicle make	Vehicle model	Year	Description	Update
ALL	ALL SERIES	2003-2009	RGB out, 2xCVBS in	Free



Device Settings Menu

Please be sure the setting you are changing are required for the particular installation.

You can refer to vehicle specific installation manual for details on setting changes if such are required.



Input 1-dedicated to Video 1 input. No changes should be made for this setting.

Input 2-default setting is rear view camera, video 2 input will automatically turn on when vehicle is shifter in reverse gear.

Input 2 can be set to off, if video input 2 is not required. In case video input 2 is set to off,

- push button will not cycle video inputs.
- single press of the push button will activate video 1.
- pressing and holding push button for 2 seconds or more will return to factory navigation or information screen.

Input 2 can be set to video input 2, to be used as a second video input if no aftermarket camera is being installed.

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Device Settings Menu

Sync Polarity-default setting is POSITIVE.

FORD/VOLVO vehicles will require polarity to be set to negative.

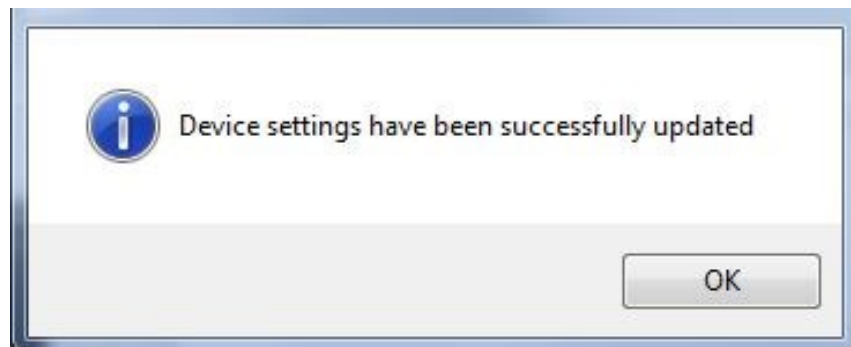
Rear camera parking lines - default setting for the parking lines are ON.

Remove the check mark to turn off parking lines on video input 2. This is useful if no parking lines are desired or aftermarket camera being installed that has built in camera lines.

Sync On Green– default setting Sync On Green is OFF.

Some BMW/MINI/RANGE ROVER/INFINITI will require check mark on SOG setting enabled (refer to vehicles specific installation manual)

If any changes are made, simply press ACCEPT button and all settings will register to the AXi-RGB2 interface and message below will be displayed.



FAQ

Q: Image of factory information/navigation screen is shown perfectly, when switching to video input of AXi-RGB2 video image is distorted?

A: Please check switch position and setting to make sure all are set correctly, see pages 5-9 for details.

Q: When pressing the push button switch nothing happens on the screen?

A: Make sure that one end of the push button switch is connected to AXi-RGB2 yellow wire and other end of the push button switch is connected to +12V accessory power.

Q: When I try to use the camera while driving, the screen goes blank and no camera image is shown?

A: Make sure the camera is connected to Video Input 2.

Q: When I try to use the camera while driving screen goes blank but no camera is showing?

A: Make sure the camera is connected to +12V accessory power source and not to reverse lights.

Q: When I try using push button or reverse gear nothing happens on the screen?

A: Before starting any work check installation location of wiring harness, when using plug and play harness be careful as many connectors in the vehicle may repeat through-out the vehicle. Connecting plug and play harness in the wrong location will result in damage to vehicle and the AXXESS.i interface.

Q: Customer came back complaining that the battery has drained overnight?

A: AXi-RGB2 specifically must be connected to +12V accessory power source and never to the constant power source.



QUICK START GUIDE

Thank you for purchasing AXXESS.i AXi-RGB2

Push button operation: When you first start your vehicle the color/navigation screen will be set to display factory image.

First press of the push button will activate Video 1 input, second press of the push button switch will activate Video 2 input, every push after that will cycle between Video 1 and Video 2 inputs.

Press and hold push button for 2 second or longer to return back to factory display image.

Video Input 1: if you have installed front camera or navigation system, you can activate video 1 by pressing and releasing push button until front camera or navigation is displayed.

Video Input 2/Camera Input: if you have installed an aftermarket back-up camera, your aftermarket back-up camera will turn on automatically in reverse (in some vehicles you must be on navigation map screen for camera to work ex. Toyota/Lexus).

You can use camera while in drive, press and release the push button switch until camera is displayed on the screen.

(AXXESS.i interface and Rear-View Camera in-drive must be configured by your installer for this feature to operate as described above)

DISCLAIMER: WARNING!!! WARNING!!!

AXXESS.i is designed to be used only when the vehicle is immobilized. The driver is responsible for maintaining full attention while operating a motor vehicle. The removal or bypassing of safety features in AXXESS.i products will result in termination of warranty. Using AXXESS.i unit improperly may result in injury, citation or arrest by authorities. Therefore Metra Electronics owners and employees are not responsible for unauthorized use.

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