

In-Vehicle

Wireless
Dual Band Amplifier



USER GUIDE

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Before starting the initial installation process, you should read the entire instruction manual and understand the importance of following the recommended installation instructions. There are important safety and operating information guidelines to insure proper performance of your device. Failure to do so could be hazardous and result in damage to your device, voiding your warranty.

After reading the entire instruction manual and before actually installing, **Maximum Signal, Inc.**TM strongly recommends that you visualize where each component will be placed. This will avoid unnecessary problems with your installation (i.e. nail holes, reinstalling a component, re-wiring etc), and create a pleasant and successful experience with this device.

****NOTE:** All **Maximum Signal, Inc.**TM devices are manufactured to provide you with a pleasant experience, by following the simple instructions within in this manual you will be assured not to cause adverse effects on any cellular network.*

Warnings

-  You are cautioned that changes or modifications not expressly approved by **Maximum Signal**, Inc.™ could void your authority to operate the equipment.
-  This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.
-  FCC regulations require that antennas connected to this device can not exceed the maximum allowable dbi rating regardless of whether the antennas are installed inside or outside a structure. Doing so will violate **Maximum Signal**, Inc.™ and Federal guidelines and regulations which the user will be liable for, and will result in your warranty being voided.
-  The Exterior antenna with this device may not have gain that exceeds 10 dBi and may not be located within thirty-nine (39") inches of any person.
-  The Internal antenna may not gain exceeds 10 dBi and may not be located within eight (8") inches of any person.
-  Do not plug the Wireless Amplifier into an AC power supply until all antennas are installed and connected correctly.
-  The use of any power supply other than the one supplied by **Maximum Signal**, Inc.™ may damage your device and will void your warranty.
-  Verify the electrical outlet you have chosen can support this device.
-  Select a location to install this device, making sure there is adequate ventilation and no moisture present.
-  Always check with your local governing body or homeowner association for rules and regulation regarding the installation of the Exterior antenna.

QuickStart Guide

*Typical Installation Example



Maximum Signal
Wireless Amplifier

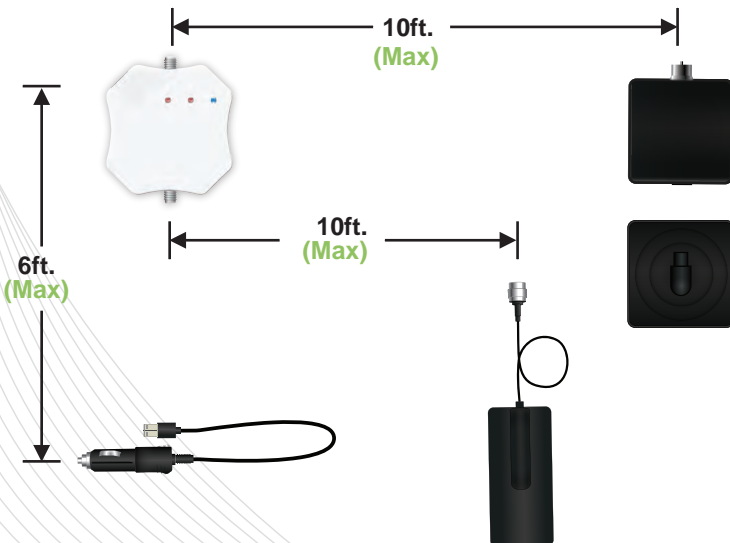
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1. Choose a Location for your Wireless Amplifier



Select a suitable location for your Wireless Amplifier (A). There are three cable lengths you should be aware of. The Wireless Amplifier must be located within the cable lengths of the supplied items.

1. Glass Antenna Cable- Exterior is 10ft long
2. The Front Patch Antenna Cable is 10ft long
3. The Power cable is 6ft long.



2. Installing the Rear Glass Antenna



Using the supplied Alcohol Glass cleaning pad, thoroughly, wipe both the inside/outside of the Glass surface where the antenna will be mounted.

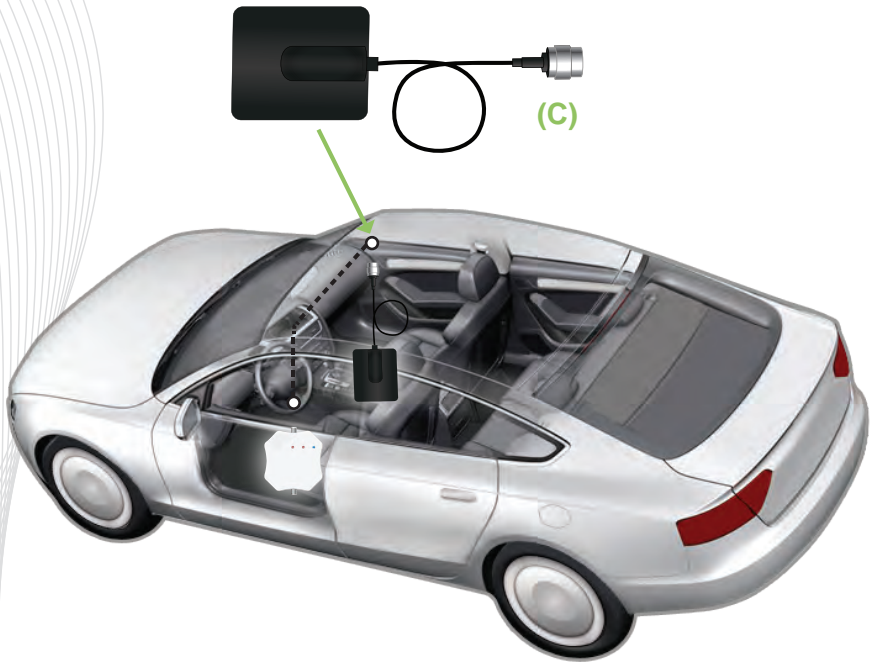
Remove the protective covering from the back of the Exterior Glass Attachment and attach it to the outside of the rear window. **NOTE:** Make sure the antenna connector is facing up and the Glass Mount Attachment is not placed over any defroster filaments. This device utilizes antennas that requires a horizontal separation of a minimum of Four (4ft.) feet and a minimum vertical separation of Four (4ft) feet. The Exterior Glass Antenna **MUST** have a minimum of 180° degree line of sight with a minimum of Ten (10") inches above any obstructions. The Exterior Glass Antenna must be installed no further than Fifteen (15ft) feet of the device. Extending the cable with a coupler and/or additional cable may reduce the performance of the device. Exercise caution when attaching the cable to the device or antenna making certain the center pin on the cable does not bend.

Prior to attaching the Rear Glass Attachment - Interior, align the interior attachment **exactly** the same as the previously installed exterior window antenna attachment. Remove the protective covering from the back of the Interior Glass Attachment and attach it to the window. ***NOTE:** Make sure cable connector is facing up and Glass Mount Attachment is not placed over any defroster filaments.

Run the Rear Glass Antenna Cable to the device. **Note:** Never use staples or any other fasteners to secure the cable, and exercise extreme caution not to puncture the cable lining as it may cause the device to cease functioning properly.

Hand tighten the Exterior Glass Antenna Cable to the device at the connector labeled **EXT/ANT.** ***Note:** Over tightening the cable connector to the device may damage the device thus voiding your warranty.

3. Installing the Front Area Patch Antenna



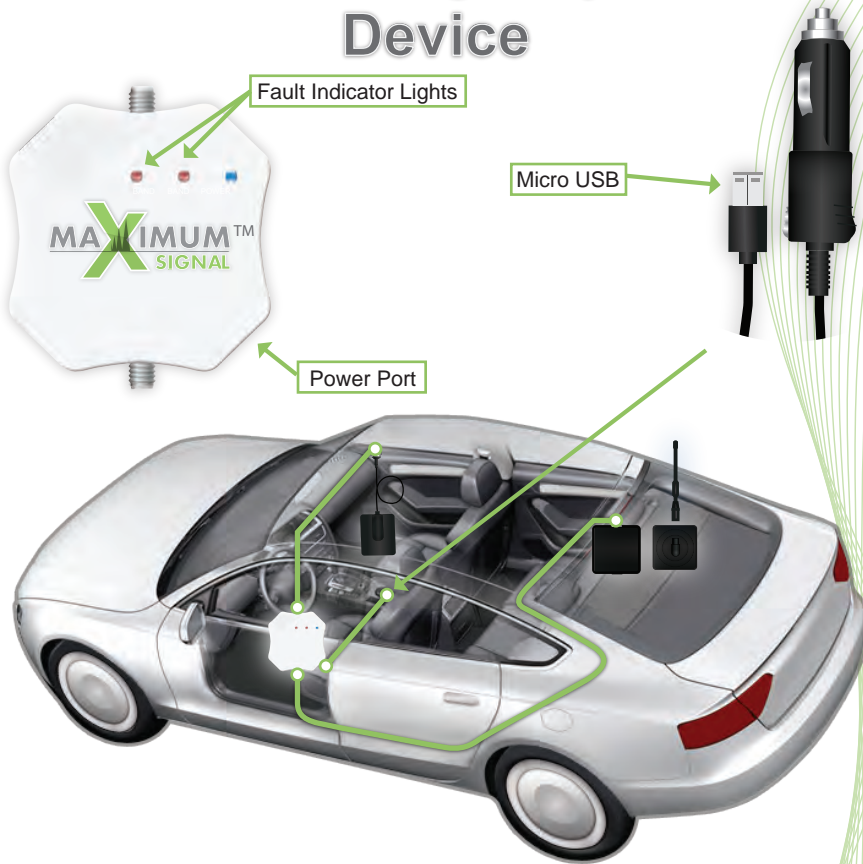
Locate a suitable location within your vehicle to place the Front Area Patch Antenna. **Note:** The outside plastic covering the Front Area Patch Antenna **MUST** point towards the interior of your vehicle. This device utilizes antennas that require a horizontal separation of a minimum of Four (4ft.) feet and a minimum vertical separation of Four (4ft) feet. The Interior Glass Antenna must be installed no further than Twelve (12ft) feet from the device. Extending the cable with a coupler and/or additional cable may reduce the performance of the device.

Run the Front Area Patch Antenna Cable to the device.

Note: Never use staples or any other fasteners to secure the cable. Exercise extreme caution not to puncture the cable lining as it may cause the device to cease functioning properly.

Hand tighten the Front Area Patch Antenna cable to the device at the connector labeled **DEVICE INT ANT**. ***NOTE:** Over tightening the connector on the cable to the device may damage the device thus voiding your warranty. Exercise caution when attaching the cable to the device or antenna making certain the center pin on the cable does not bend.

4. Powering on your Device



Plug the Micro USB connector power into the device labeled “power”.

Plug the power supply cable into your vehicle power source.

The blue LED light indicates your **Maximum Signal™** Wireless Amplifier has power and is operational. If you have a RED device fault indicator light illuminated on the top of your device, your antennas are likely incorrectly placed. In the unlikely situation that this error occurs, then unplug your power supply cable immediately, and increase the separation between the exterior and interior antennas. Then re-connect the power supply cable into your vehicle power source. The blue LED light indicates your **Maximum Signal™** Wireless Amplifier has power and is **operational**.

1-Year Warranty

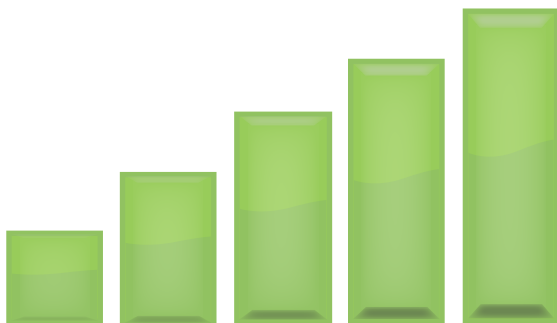
Maximum Signal, Inc.™ warrants for a period of one (1) year this product is free from any defects in material or workmanship. If a defect is found by **Maximum Signal**, Inc.™, **Maximum Signal**, Inc.™ agrees to repair or replace the product at its own discretion EXCLUDING ALL SHIPPING CHARGES. This product must have been registered with **Maximum Signal**, Inc.™ within 30-days of purchase and you are the original owner. To return a product, an RMA number must be obtained by contacting customer support. **Maximum Signal**, Inc.™ will not accept returns unless all parts, packaging, and accessories along with dated proof of purchase with original receipt (copies not permitted) from where you purchased your product must be included with your return. Failure to return all product, parts, packaging, and accessories will result in only the product returned being replaced. If the product has been modified, abused or tampered with in any manner, **Maximum Signal**, Inc.™ will consider the warranty void. Any use of non **Maximum Signal**, Inc.™ antennas, cables or other accessories will void your warranty.

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Technical Specifications

FCC ID: XZZ-WB-198	Dual-Band Wireless 800/1900 MHz Specifications
IC	9176A-SPTR
Model	In-Vehicle Wireless
Antenna connectors	TNC Female
Antenna impedance	50 ohms
Dimensions	3.5 x 3.5 x 1 inch (8.8 x 8.8 x 2.5 cm)
Weight	0.3 lbs (0.14 kg)
Frequency	824-894 MHz / 1850-1990 MHz
Passband Gain	45 dB



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