



WIRELESS CAR ADAPTER For Android Auto™

Model: MA2

User Guide

Important Safety Instructions

Follow these safety precautions when using your product to reduce the risk of fire, electric shock, and injury to persons or property:

- Keep all slits and openings of the product unblocked. Do not set the product on a heating register or over a radiator. Ensure that proper ventilation is provided at the installation site.
- Do not use while wet or while standing in water.
- Do not use this product near water (for example, near a bath tub, kitchen sink, or swimming pool).
- Never insert objects of any kind into the product vents as that may result in fire or electric shock.
- Do not use liquid cleaners or aerosol cleaners.
- Do not use chemicals or cleaning agents to clean this product.
- Clean this product with a soft, damp cloth.
- Do not disassemble this product. If service or repair work is required, contact the customer service helpline found in this user's guide.
- Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work to restore the product to normal operation.
- Read and understand all instructions and save them for future reference.
- Follow all warnings and instructions marked on the product.

Save these instructions

Welcome...

to your new Motorola Wireless Car Adapter for Android Auto!

- No wires and no fuss.
- Wirelessly connects your phone, so you can hit the road.
- Plugs into the existing Android Auto-enabled USB port of a compatible car or truck.
- Establishes a Wi-Fi[®] connection through which Android Auto can operate without the need for a USB cable.

Got everything ?

- MA2 adapter x 1
- USB cable type C to A x 1
- USB cable type C to C x 1
- Gel pad x 1 (This can be used to fix the adapter on your car.)
- User Guide x 1

Need help?

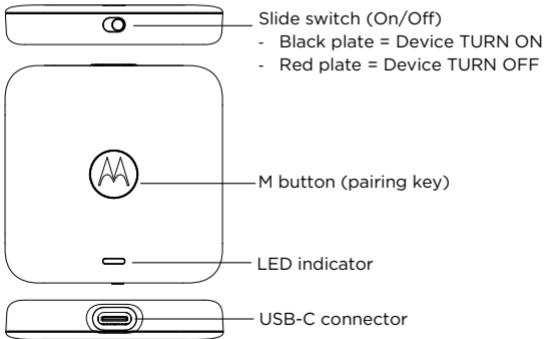
If you have any problems setting up or using your wireless car adapter, please contact us by visiting:

motorolasound.com/support

This user guide provides you with all the information you need to get the most from your wireless car adapter.

Read the instructions carefully, and be informed that this wireless car adapter is only intended to work inside your Android™ Auto compatible car together with your smartphone which has the Android Auto app installed.

1. Getting to know your adapter



2. Setting up your adapter

Android operating system of Mobile phone Requirement

- To use Android Auto wirelessly, your phone should be running version 11 or higher of Android operating system.

Mobile phone Setup and then, MA2 setup

- Before setting up MA2 adapter, connect your mobile phone to your car with a wired USB cable and Android Auto screen shall be popped up on your car screen. Then, following on vehicle manufacturer's instruction and mobile phone instruction to complete setup such as:
 - USB Preference page, click "File transfer /Android Auto".
 - Share your maps location of your mobile phone.
- While the Android Auto connection is active on your car screen, unplug your phone from the car and immediately plug your MA2 adapter into same USB port.

Pair with MA2 wireless car adapter

- When MA2 adapter flashes blue, pair your phone with it (look for 'AndroidAuto-XXXX' under Settings > Bluetooth on your phone).

Now, wait for your phone to automatically re-establish its Android Auto connection wirelessly through this MA2 adapter; this may take a while.

3. LED definitions

Turn on MA2 adapter by sliding “switch” to “black” plate.

Event status	M button	LED colour
Power on state	-	Solid white
Pairing mode	During power on, press and hold the button for more than 2s and release the button or auto enter into pairing mode when there is no phone paired	Blinks blue
Bluetooth connecting	-	Blinks green (1s on, 1s off)
Bluetooth connected	-	Solid green
Sleep mode	-	Off

4. Factory reset

With some unexpected cases happened, you would need to erase MA2 memory to retrieve to factory settings:

- During power on, press and hold the M button for more than 60s, release the button when the LED blinks green quickly.

After factory reset, you need to do the pairing to your phone again.

5. Technical Specifications

Wireless	- Wi-Fi 802.11 a/n/ac - Bluetooth 4.2
Connection	USB C type Client
Power dissipation	- DC 5V, 170 mA maximum (ON) - DC 5V, < 10uA (OFF)

6. Help

Wireless Android Auto is not working during setup.

Before setting up Wireless Android Auto, we recommend you do the following first:

- a) Check for any updates available to Android Auto for your mobile device via the Google Play app store.
- b) Check that Wireless Android Auto is enabled in the Android Auto settings on your mobile device.

How do I reset the MA2?

To reset your MA1, please check section 4 in this user guide.

Wireless Android Auto was working before, but now it's not. What do I do?

First, confirm that the Android Auto app on your phone is updated to the very latest version available in the Google Play Store.

Next, confirm that your phone is connected to the car for hands-free calling (Bluetooth HFP), simply by placing or receiving a phone call. A properly handled Bluetooth HFP phone call will use the car's own speakers and microphone.

Finally, confirm that the LED light on MA2 is solid green. If wireless Android Auto has not started after several minutes, reboot the phone, unplug/re-plug the dongle, and power cycle the car's infotainment system, preferably all at once.

If the above steps do not resolve your issue, then take the following steps to completely reset your connection. Be sure to follow every step, in sequence:

- a) Unplug the MA2 from your car's USB port.
- b) On your car screen, navigate to the Bluetooth phone list, and 'forget' or 'delete' all paired phones.
- c) On your phone, navigate to the system settings for Bluetooth, and 'forget' or 'delete' BOTH the paired car AND the paired MA2 (which will appear in the list as AndroidAuto-XXXX).
- d) On your phone, navigate to the system settings for Apps; select Android Auto; and under 'Storage', tap 'Clear data' (different phone brands may present this slightly differently).
- e) Start your car, and plug in your phone with a USB cable. Navigate through the 'Welcome to Android Auto' screens on your car display, as if you were connecting for the very first time.

- f) Once Google Maps appears on your car display, place a phone call to verify that Android Auto has automatically re-connected your phone for hands-free calling over the car speakers.
- g) Unplug your phone from the car and re-plug the MA2 into that same USB port. Observe the LED light, which should initially shine solid white. (Your phone will remain connected to the car over Bluetooth for hands-free calling; this is expected. Do not reboot your phone.)
- h) Press and hold the M button for more than 60s, release the button when the LED blinks green quickly. Unplug the MA2, and then re-plug it into the same USB port. Observe the LED light, which should initially shine solid white.
- i) Once the LED light begins flashing blue, then, on your phone, navigate again to the system settings for Bluetooth, and scan for new Bluetooth devices; MA2 will appear in the list as AndroidAuto-XXXX. Pair your phone with the MA2. The LED light should begin pulsing green, and wireless Android should appear on your car display within 90 seconds.

How do I get wireless Android Auto to start?

Refer to the section 2 in this user guide for recommended setup steps. To connect wirelessly, your phone must first re-establish its Bluetooth connection to the vehicle's infotainment system for hands-free calling; this process is typically automatic. Try also toggling the 'Start wireless early' setting on your phone, under Settings > Connections > Android Auto.

Does it work with my vehicle?

Most vehicles with factory-supplied Android Auto support over USB will work with the Motorola MA2. Adapter compatibility depends on the automaker's specific implementation of USB and Android Auto; contact your vehicle manufacturer if you are unsure.

Does it work with my phone?

Most phone makes and models that shipped from the factory with Android 11 will work with the MA2. For detailed requirements, refer to the Google support page for wireless Android Auto at: <https://support.google.com/androidauto/answer/6348019#wireless>

Wireless Android Auto disconnects when passing through e-toll gates

This is a known limitation of all wireless projection technologies utilizing the 5GHz spectrum. Google is aware of this issue and its impact on wireless Android Auto in general, and are working with the automotive ecosystem to address it over time.

What is sleep mode?

When MA2 has not detected USB data for 10 minutes, MA2 will enter into SLEEP mode. The purpose of SLEEP mode is to prevent current drawn from car battery. When in SLEEP mode, the LED is turned OFF.

When MA2 is in SLEEP mode, if users either press <M> (pair key) or "ON/OFF switch is slid to OFF and then ON" or USB data is detected, then MA2 will be waken again.

7. General Information

Cleaning

- Clean the adapter with a damp (not wet) cloth, or an anti-static wipe.
- Never use household polish as this will damage the product. Never use a dry cloth as this may cause static shock.

Environment

- Do not expose to direct sunlight.
- Do not place your product on carpets or other surfaces which generate fibers, or place it in locations preventing the free flow of air over its surfaces.
- Do not submerge any part of your product in water and do not use it in damp or humid conditions, such as bathrooms.
- Do not expose your product to fire, explosives or other hazardous conditions.

Product disposal instructions

Product disposal instructions for residential users

When you have no further use for it, please dispose the product according to your local authority's recycling processes. For more information, please contact your local authority or the retailer where the product was purchased.

Product disposal instructions for business users

Business users should contact their suppliers and check the terms and conditions of the purchase contract and ensure that this



product is not mixed with other commercial waste for disposal.

Consumer Products and Accessories Warranty

Thank you for purchasing this Motorola branded product manufactured under license by Meizhou Guo Wei Electronics Co. LTD. (“MZGW”)

What Does this Warranty Cover?

Subject to the exclusions contained below, MZGW warrants that this Motorola branded product (“Product”) or certified accessory (“Accessory”) sold for use with this product that it manufactured to be free from defects in materials and workmanship under normal consumer usage for the period outlined below. This Limited Warranty is your exclusive warranty and is not transferable.

Who is covered?

This warranty extends only to the first consumer purchaser, and is not transferable.

What will MZGW do?

MZGW or its authorized distributor at its option and within a commercially reasonable time, will at no charge repair or replace any Products or Accessories that do not conform to this limited warranty. We may use functionally equivalent reconditioned / refurbished / pre-owned or new Products, Accessories or parts.

What Other Limitations Are There?

ANY IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY, OTHERWISE THE REPAIR OR REPLACEMENT PROVIDED UNDER THIS EXPRESS

LIMITED WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER, AND IS PROVIDED IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. IN NO EVENT SHALL MOTOROLA OR MZGW BE LIABLE, WHETHER IN CONTRACT OR TORT (INCLUDING NEGLIGENCE) FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT OR ACCESSORY, OR FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE ABILITY OR INABILITY TO USE THE PRODUCTS OR ACCESSORIES TO THE FULL EXTENT THESE DAMAGES MAY BE DISCLAIMED BY LAW.

Some jurisdictions do not allow the limitation or exclusion of incidental or consequential damages, or limitation on the length of an implied warranty, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from one jurisdiction to another.

Products Covered	Length of Coverage
Consumer Products	One (1) year from the date of the products original purchase by the first consumer purchaser of the product.
Consumer Accessories (battery, power supply(s) and line cords)	Ninety (90) days from the date of the accessories original purchase by the first consumer purchaser of the product.
Consumer Products and Accessories that are Repaired or Replaced	The balance of the original warranty or for ninety (90) days from the date returned to the consumer, whichever is longer.

Exclusions

Normal Wear and Tear. Periodic maintenance, repair and replacement of parts due to normal wear and tear are excluded from coverage.

Batteries. Only batteries whose fully charged capacity falls below 80% of their rated capacity and batteries that leak are covered by this limited warranty.

Abuse & Misuse. Defects or damage that result from: (a) improper operation, storage, misuse or abuse, accident or neglect, such as physical damage (cracks, scratches, etc.) to the surface of the product resulting from misuse; (b) contact with liquid, water, rain, extreme humidity or heavy perspiration, sand, dirt or the like, extreme heat, or food; (c) use of the Products or Accessories for

commercial purposes or subjecting the Product or Accessory to abnormal usage or conditions; or (d) other acts which are not the fault of Motorola or MZGW are excluded from coverage.

Use of Non-Motorola branded Products and Accessories. Defects or damage that result from the use of Non-Motorola branded or certified Products or Accessories or other peripheral equipment are excluded from coverage.

Unauthorized Service or Modification. Defects or damages resulting from service, testing, adjustment, installation, maintenance, alteration, or modification in any way by someone other than Motorola, MZGW or its authorized service centers, are excluded from coverage.

Altered Products. Products or Accessories with (a) serial numbers or date tags that have been removed, altered or obliterated; (b) broken seals or that show evidence of tampering; (c) mismatched board serial numbers; or (d) nonconforming or non-Motorola branded housings, or parts, are excluded from coverage.

Communication Services. Defects, damages, or the failure of Products or Accessories due to any communication service or signal you may subscribe to or use with the Products or Accessories is excluded from coverage.

How to Obtain Warranty Service or Other Information?

To obtain service or information, please visit us at:

motorolasound.com/support

You will receive instructions on how to ship the Products or Accessories at your expense and risk, to a MZGW Authorized Repair Center.

To obtain service, you must include: (a) the Product or Accessory; (b) the original proof of purchase (receipt) which includes the date, place and seller of the Product; (c) if a warranty card was included in your box, a completed warranty card showing the serial number of the Product; (d) a written description of the problem; and, most importantly; (e) your address and telephone number.

General Public Licence

This product from MZGW contains code that is licensed under the General Public Licence ('GPL') and/or the Lesser General Public Licence (the 'open source software').

In accordance with the GPL, MZGW has made the relevant code available to download at: motorolasound.com/support

FCC Warning

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.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no

guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.
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- Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.
 - This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment for body-worn configuration in direct contact to the phantom.

This equipment should be installed and operated with minimum distance 20cm from your body. (The product is for car only.)

ISED(IC) Warning

RSS-Gen Issue 4 8.4

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions: (1) This device may not cause interference; and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Co-located

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet appareil et son antenne (s) ne doivent pas être situés ou fonctionner en conjonction avec une autre antenne ou émetteur. En vertu des règlements d'Industrie Canada, cet amplificateur de puissance de fréquence radio externe (insérer Industrie Canada numéro de certification de l'amplificateur de puissance de fréquence radio) ne peut être utilisé avec l'émetteur avec lequel l'amplificateur a été certifié par Industrie Canada. Le numéro de certification pour l'émetteur avec lequel cet amplificateur est autorisée à opérer est IC:

20353-02736.

- (i) The device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems; (For devices installed in vehicles point i. is not required.)
- (ii) For devices with detachable antenna(s), the maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall be such that the equipment still complies with the e.i.r.p. limit;
- (iii) For devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits specified for point-to-point and non-point-to-point operation as appropriate; and
- (iv) Where applicable, antenna type(s), antenna models(s), and worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in section 6.2.2.3 shall be clearly indicated.

Users should also be advised that high-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

- (i) *l'appareil pour fonctionner dans la bande 5150-5250 MHz est réservé à une utilisation en intérieur afin de réduire les risques*

d'interférences nuisibles à la co-canal systèmes mobiles par satellite;

- (ii) pour les appareils avec antenne (s) détachable, le gain d'antenne maximal autorisé pour les appareils dans les bandes 5250-5350 MHz et 5470-5725 MHz doit être telle que l'équipement satisfait encore la pire limite;*
- (iii) pour les appareils avec antenne (s) détachable, le gain d'antenne maximal autorisé pour les appareils dans la bande 5725-5850 MHz doit être telle que l'équipement satisfait encore la pire limites spécifiées pour le point-à-point et non point-à-point, le cas échéant; opération et*
- (iv) l'angle d'inclinaison du pire (s) nécessaire pour rester conforme à la pire exigence de masque d'élévation énoncées dans la section 6.2.2 (3) doit être clairement indiqué.*

Devraient également être informés les utilisateurs que les radars à haute puissance sont désignés comme utilisateurs principaux (c.-à-utilisateurs prioritaires) des bandes 5250-5350 MHz et 5650-5850 MHz et que ces radars pourraient provoquer des interférences et / ou endommager les appareils LE-LAN.

IC Radiation Exposure Statement:

Portable device (SAR)

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. The portable device is designed to meet the

requirements for exposure to radio waves established by the ISED. These requirements set a SAR limit of 1.6 W/kg averaged over one gram of tissue. The highest SAR value reported under this standard during product certification for use when properly worn on the body.

This equipment should be installed and operated with minimum distance 20cm from your body. (The product is for car only.)

This product cannot be used with an additional USB cable when used on the car.

This product can only be used on the car.

This product cannot be used in situations other than car use, such as laptop, tablet and mobile phone.

Ce produit ne peut pas être utilisé avec un câble USB supplémentaire lorsqu'il est utilisé sur la voiture.

Ce produit ne peut être utilisé que sur la voiture.

Ce produit ne peut pas être utilisé dans des situations autres que l'utilisation de la voiture, comme un ordinateur portable, une tablette et un téléphone portable.

EU Declaration of Conformity

Hereby, MZGW declares that the radio equipment type is in compliance with RE Directive 2014/53/EU.

UK Declaration of Conformity

Hereby, MZGW declares that this product is in compliance with the requirements for UKCA marking.

Both the EU and UK Declaration of Conformity can be obtained at <https://motorolasound.com/support/declaration-of-conformities/>

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