

N711 Motorcycle Dashcam

User Manual

Model: N711

FCC ID: P4Q-N711

Trade: Mio/MAGELLAN/NAVMAN



Trademark

All brand and product names are trademarks or registered trademarks of their respective companies.

Disclaimer

Specifications and documents are subject to change without notice. MiTAC does not warrant this document is error-free. MiTAC assumes no liability for damage incurred directly or indirectly from errors, omissions, or discrepancies between the device and the documents.

Note

Not all models are available in all regions.
Depending on the specific model purchased, the colour and look of your device and accessories may not exactly match the graphics shown in this document.

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Precautions and notices

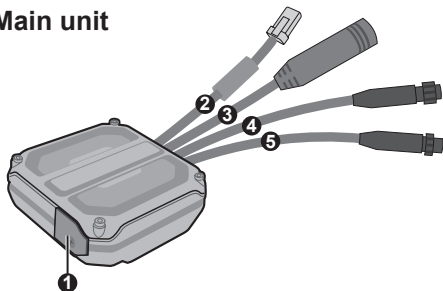
- Never attempt to disassemble, repair or make any modifications to your device. Disassembly, modification or any attempt at repair could cause damage to the device and will void any warranty.
- If you see or smell smoke from the device, stopping charging immediately.
- Keep the device away from the chemical substances or detergents. They could be corrosive and cause damage to the surface of the device.
- Do not subject your device to severe shock, or insert any object other than memory card into the slot.
- Make sure that no object is blocking the camera lens and no reflective material appears near the lens. Please keep the lens clean.
- For your own safety, do not operate the controls of the device while riding a motorbike.
- When taking the device out of the water, make sure the device is completely dried-up and all foreign objects are removed before opening the protective cover.
- Avoid water spray on the device while the protective cover is loose or removed; otherwise, it may cause damage to the device.
- Make sure to install the product securely. Do not move the product after it is installed.
- Do not place the device in the water without closing any supplied covers to prevent water from flowing inside the device.
- Do not wash the device using high-pressure water spray.
- The product has a built-in WIFI module. Do not cover the product with metal material during installation.
- Do not expose the wires or connectors to avoid malicious damage.
- The installation illustrations are for your reference only. The placement of the components may vary depending on the vehicle model. If you encounter any problems during installation, please contact a skilled installer (for example, the service personnel of the vehicle) for assistance.

Getting to know your device



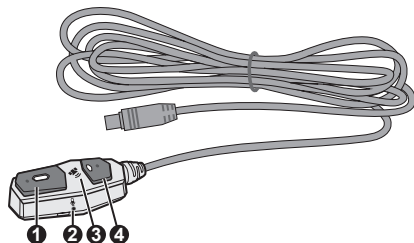
Depending on the specific model purchased, the colour and look of your device and accessories may not exactly match the graphics shown in this document.

Main unit



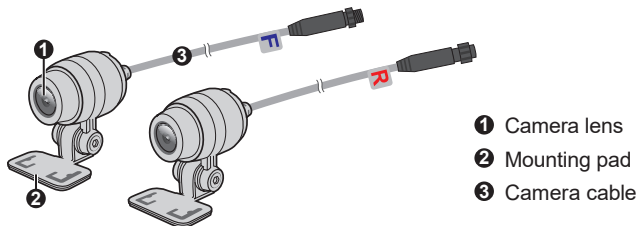
- ❶ Memory card slot
- ❷ Waterproof power cable connector
- ❸ Control box connector
- ❹ Front camera cable connector
- ❺ Rear camera cable connector

GPS multi-function control box



- ❶ **Button 1**, red indicator
- ❷ Microphone
- ❸ GPS receiver
- ❹ **Button 2**, blue indicator

Front Camera and Rear Camera



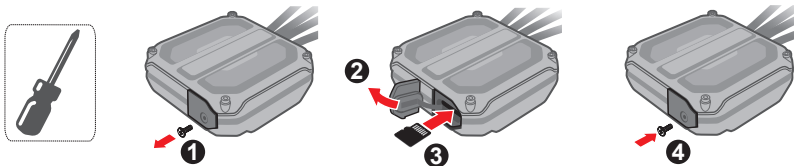
Using a memory card

You have to insert a memory card before you can start recording. Your device supports Class 10 memory cards with up to 256 GB capacity.

Use a suitable screwdriver. Loosen the screw (❶) to open the cover of the memory card slot (❷).

Hold the card (MicroSD) by the edges and gently insert it into the slot (❸). To remove the card, gently push the top edge of the card inwards to release it, and pull it out of the slot.

Replace the cover and secure it with the screw (❹).

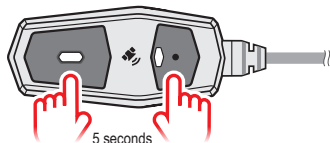


- You should use separate MicroSD cards for recording and for regular data storage.
- The memory card slot is not hot-swappable. Insert the memory card before powering on your device. **DO NOT** remove the memory card during recording. Turn the device off before removing the memory card.
- MiTAC does not guarantee the product's compatibility with MicroSD cards from all manufacturers.
- If there is an error with the memory card, the **red** indicator on the GPS multi-function control box will glow. Please check your memory card.
- During the formatting of the memory card or an over-the-air (OTA) firmware update, the **red** indicator on the GPS multi-function control box will flash.
- Do not apply pressure to the centre of the memory card.

Formatting a card

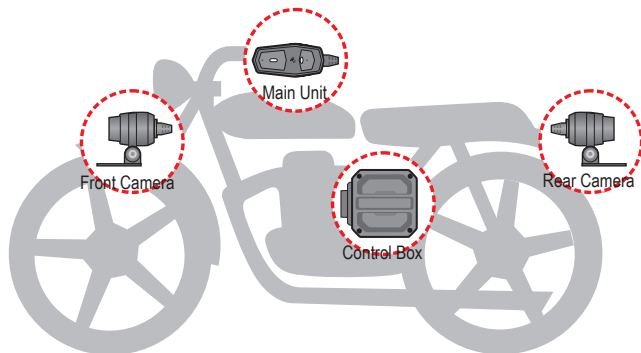
Before you start recording, please format the MicroSD card to avoid malfunction caused by files not created by your device.

To format a memory card (all data will be erased), press and hold **Button 1** and **Button 2** at the same time for about 5 seconds.



Installing the device

Follow the instructions to mount your device securely. The placement of the devices and cables may vary depending on the motorcycle model. If you encounter any problems during installation, contact a skilled installer, such as the service personnel of the motorcycle, for assistance.



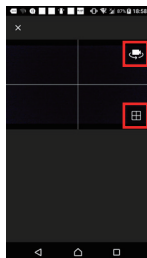
Installing the cameras

Clean the installation surface with rubbing alcohol and make sure that the installation area is free of dust, oil and grease. Secure the camera with the double-sided tape or cable tie.

■ Adjusting the camera lens

Adjust the angle of the camera lens by checking the the camera's live view via the Magellan MiVue Pro app. (For the information on the Magellan MiVue Pro app, see the "Magellan MiVue Pro app" section.)

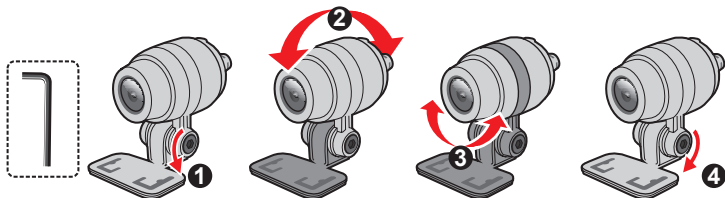
- Tap  to display the grids to help make sure that the image is parallel to the ground.
- Tap  to switch between the front and rear cameras.



Use a suitable hex key wrench. Loosen the screw on the side of the camera holder (1) to adjust the angle of the camera lens.

You can adjust the camera lens by rotating up and down (2) and left and right (3).

When done, tighten the screw to secure the camera (4).



When tightening the screw, do not use excessive force (no more than 2 kgf of torque) to avoid damage to the product.

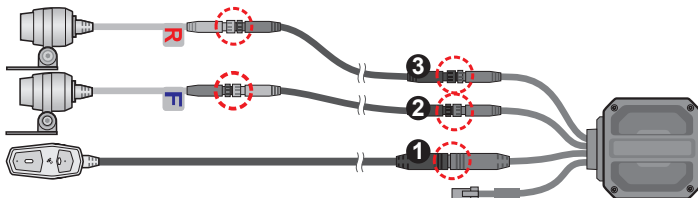
Cable connections

You are advised to tape the cables together, cover and secure them inside the motorbike to avoid damage or abnormal sound. Make sure that water will NOT flow down to your device's main unit along the cables.

■ Connecting the main unit, control box and cameras

Connect the GPS multi-function control box to the control box connector on the main unit **(1)**.

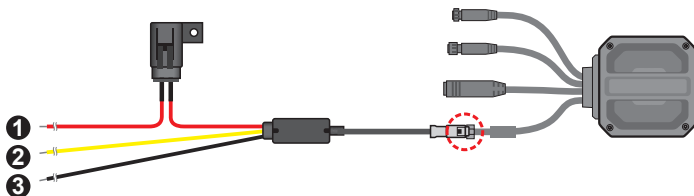
Use the provided camera cables to connect the front camera **(2)** and rear camera **(3)** to the main unit. Do not connect the cameras to the main unit without using the camera cables. Make sure that the connectors are properly secured.



■ Connecting the main unit and waterproof power cable

1. Check and confirm the vehicle's voltage (12 V) by using the electrical tester as battery voltages varies by vehicle.
2. Choose one of the following connections:
 - Use the electrical tester to locate the fuse from which the power is not supplied when the vehicle is turned off. Connect the red wire (ACC) to the fuse. Use the electrical tester to locate the fuse from which the power is supplied even when the vehicle is turned off. Connect the yellow wire (B+) to the fuse. This connection allows the system to save the time settings for a long time.

- Combine the red wire (ACC) and the yellow wire (B+) before connecting them to the fuse from which the power is not supplied when the vehicle is turned off.
3. Connect the black wire (GND) to the metal part of the vehicle for grounding. Make sure that the metal part is connected to the negative battery terminal of the vehicle. Failing to do so will cause the power cable to malfunction. Have a screw ready to secure the wire.



① Red wire (ACC)

Connect to the fuse from which the power is not supplied when the vehicle is turned off.

② Black wire (GND)

Connect to the metal part and the negative battery terminal of the vehicle.

③ Yellow wire (B+)

Connect to the fuse from which the power is supplied even when the vehicle is turned off.

4. Connect the power cable to the main unit. Arrange and secure the cable to the vehicle. Avoid exposing the long cable.

5. Check the installation:

- Your device automatically turns on and starts continuous recording once the vehicle is turned on (ACC-ON).
- Your device automatically turns off when the vehicle is turned off (ACC-OFF).

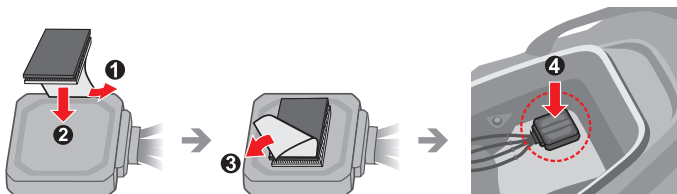


- Your device does not support power banks.
- The waterproof power cable is designed specifically for your device. Do not use it for other purposes.
- Do not use the waterproof power cable outside the limited voltage range. The waterproof power cable is only for DC 12 V motorcycles.
- During installation, do not damage and keep the connectors dry to avoid short circuits and electric shocks.
- For safety purposes, properly secure your device and the waterproof power cable to the vehicle. Store the cables properly so that they cannot be pulled or hooked easily.
- During installation, do not cause friction and damage to the surface of the wires to avoid fire or short circuits.
- The status of the vehicle's battery will affect the voltage value and may cause it to malfunction. Use a new battery if the current battery is aging, is having poor charging and discharging performances, or cannot store charge normally.
- When using your device, start the engine of the motorcycle as soon as possible. The engine may not start due to low voltage or over-discharge if you rely on the vehicle battery to supply power to your device for long periods of time.
- If the red wire (ACC) is connected to the fuse from which the power is supplied even when the vehicle is turned off, your device will not turn off and the engine may not start due to low voltage or over-discharge.

Securing the main unit and control box

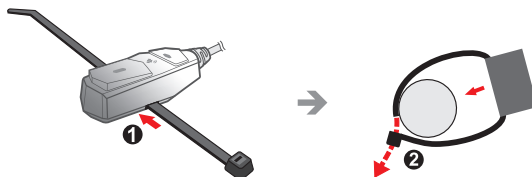
■ Main unit

Use the supplied cable tie or dual-lock tape to secure the main unit to the desired location. Avoid exposing the main unit.



■ GPS multi-function control box

Use the doublesided tape at the bottom of the control box, or use the supplied cable tie, to secure the control box to the desired location.



Magellan MiVue Pro app

The Magellan MiVue Pro app allows you to view, share and back up the videos recorded on a MiVue via WIFI. You can also change the settings of your device via the Magellan MiVue Pro app. Search for "Magellan MiVue Pro" in Apple App Store or in Google Play Store to download the app for free.



- The Magellan MiVue Pro app is compatible with iOS 9.0 (and above) and Android 5.0 (and above) devices. MiTAC does not guarantee the product's compatibility with smartphones from all manufacturers.
- Not all MiVue models support the Magellan MiVue Pro app or all its features.
- The WIFI connection between your device and smartphone is not Internet-enabled.

Setting up a WIFI connection

The WIFI function of your device is enabled by default. On your smartphone, follow the steps to set up the WIFI connection.

1. Make sure that you have enabled the WIFI function on the smartphone.
2. Open the Magellan MiVue Pro app and tap the "+" icon.
3. Tap Select WIFI and then select the SSID of your device.
4. Enter the password (1234567890) and tap **CONNECT**.
5. Tap **Done** to complete the WIFI connection.

On your smartphone, open the Magellan MiVue Pro app and keep it awake. You can now transfer videos to your smartphone.

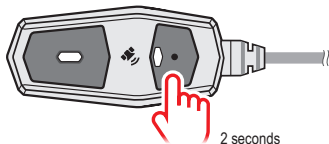
Recording

Continuous recording

The system will automatically begin continuous recording shortly after start-up. The red indicator on the GPS multi-function control box will glow, indicating that recording is in progress.

The recording may be divided into several video clips (approximately every minute for each video clip); recording will not stop between video clips. When your memory card fills up with continuous recordings, it will automatically record over the oldest existing files in this category.

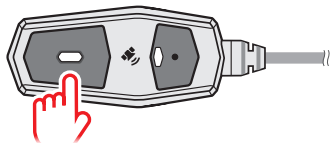
- Your device automatically stops and saves the recording when the vehicle engine is turned off.
- To stop recording, press and hold **Button 2** for about 2 seconds. Your device will enter the standby mode (WIFI On), and the blue indicator on the GPS multi-function control box will glow.
- To start recording (WIFI Off), press and hold **Button 2** for about 2 seconds.



If there are abnormal signals from the camera, the **red** indicator and **blue** indicator will flash at the same time. Please check the status and connection of the camera.

Event recording

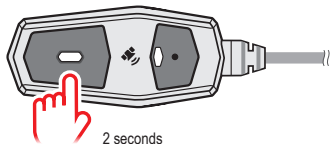
You can start an event recording during the continuous recording by pressing **Button 1**. The red indicator will flash rapidly within every second.



Within 15 seconds of the event recording, you can extend the recording for 10 seconds by pressing Button 1 once. The recording can last up to 60 seconds. Event recordings will not be replaced by continuous recordings. When your memory card fills up with event recordings, it will automatically record over the oldest existing files in this category.

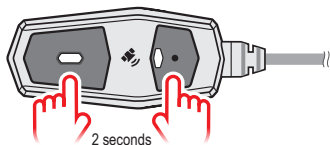
Triplapse recording

To start a triplapse recording, press and hold **Button 1** for about 2 seconds. The red indicator will flash slowly.



Resetting your device

Occasionally, you may need to perform a hardware reset when your device stops responding; or appears to be "frozen" or "locked-up." To reset your device, press and hold **Button 1** and **Button 2** at the same time for about 2 seconds.



Customising the settings

You can customise the system settings via the Magellan MiVue Pro app on the connected smartphone.

- **Video Clip Length:** Sets the length of each video clip for a continuous recording.
- **Frequency:** Sets the frequency for the camera to avoid problems caused by artificial light sources that are not constant.
- **EV:** Sets the exposure level to adjust the brightness of the image.
- **Record Sound:** Sets if you want to include sounds in the recordings.



When this function is turned on, it is normal if you hear wind noise during riding.

- **Stamps:** Sets the information that will be displayed on the recorded video.
- **Speed Stamp:** Displays the driving speed on the recorded video.
- **Date / Time:** Sets the system date and time. By default, your device will acquire correct date and time settings after getting a GPS fix.
- **Distance Unit:** Sets the preferred distance unit.
- **Format SD Card:** Formats a memory card. (All data will be erased.)
- **Restore to Defaults:** Restores the system settings to the factory defaults.

MiVue Manager

MiVue Manager™ is a tool for you to view the videos recorded on your device.



Not all features are available for every model.

Installing MiVue Manager

Download MiVue Manager from the Support page of Magellan website and follow the on-screen prompts to install it. Make sure to download the correct software version (Windows or Mac) according to your computer's operating system.

Playing the recording files

1. Remove the memory card from your device and access the card on the computer via a card reader. You are advised to copy the recording files to your computer for backup and playback.
2. Start MiVue Manager on the computer.
 - By default, MiVue Manager shows the calendar and the file list on the right.
 - When a recording file exists, you will see the date marked with "●." Click that date to display the files that were recorded on that date.
 - You can select the file type to display: **Event** / **Normal** / **Parking**. (Your device model may not support the "Parking" file type.)
 - To display all files in the current folder, click **All**. To return to the calendar view, click **Calendar**.
3. Double-click the desired file on the file list to start playback.
4. The playback controls are described as follows:

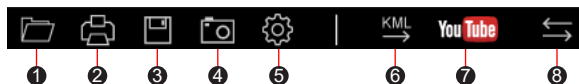


- ① Skips to the previous / next file on the list.
 - ② Starts or pauses the playback.
 - ③ Changes the playback speed to 1/4x, 1/2x, 1x (default), 1.5x, or 2x.
 - ④ Mutes or unmutes the volume.
 - ⑤ Adjusts the volume level.
 - ⑥ Plays the video in full screen.
 - ⑦ Displays the playback progress. You can click on a point along the track bar to move directly to a different location for the playback.
5. During playback, you can view more driving information from the dashboard panel and the G sensor chart that are displayed below the video playback screen.
- On the dashboard panel, click  to display the map screen.
 - The G sensor chart displays data in 3-axis waveform about the car's shift forward/backward (X), to the right/left (Y) and upward/downward (Z).



The map screen may not display when the computer is not connected to the Internet or when your MiVue model does not support the GPS function.

6. The tool bar allows you to do the following:



- ① Selects the folder that stores the recording files.
- ② Previews and prints the current video image.

- ③ Saves the selected files to the specified location on your computer.
- ④ Captures and saves the current video image to the specified location on your computer.
- ⑤ Opens the Settings Menu. The Settings items are described as follows:
 - **Change Language:** Sets the display language of MiVue Manager.
 - **Change Skin:** Sets the colour scheme of MiVue Manager.
 - **Check for Update:** Checks if there is any new version of MiVue Manager. (Internet access is required for this feature.)
 - **About:** Displays the version and copyright information of MiVue Manager.
- ⑥ Exports the GPS information of the selected file in the KML format to the specified location on your computer.
- ⑦ Uploads the selected file to YouTube™.
- ⑧ In the playlist, the "F" and "R" marks displayed on the filename indicate that the video comes with a corresponding front video (F) or rear video (R). While playing the video, the screen displays the PIP (picture-in-picture) mode. You can switch the front and rear videos by clicking .



This feature is for selected models only.

For more information

Caring for your device

Taking good care of your device will ensure trouble-free operation and reduce the risk of damage.

- Keep your device away from excessive moisture and extreme temperatures.
- Avoid exposing your device to direct sunlight or strong ultraviolet light for extended periods of time.
- Do not place anything on top of your device or drop objects on your device.
- Do not drop your device or subject it to severe shock.
- Do not subject your device to sudden and severe temperature changes. This could cause moisture condensation inside the unit, which could damage your device. In the event of moisture condensation, allow the device to dry out completely before use.
- Never clean your device with it powered on. Use a soft, lint-free cloth to wipe the exterior of your device.
- Never attempt to disassemble, repair or make any modifications to your device. Disassembly, modification or any attempt at repair could cause damage to your device and even bodily injury or property damage and will void any warranty.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as your device, its parts or accessories.
- To discourage theft, do not leave the device and accessories in plain view in an unattended vehicle.
- Overheating may damage the device.
- Dry the device and keep it dry as soon as possible after use on rainy days.

Safety precautions

About the charger

- Do not use the charger in a high moisture environment. Never touch the charger when your hands or feet are wet.
- Allow adequate ventilation around the charger when using it to operate the device. Do not cover the charger with paper or other objects that will reduce cooling. Do not use the charger while it is inside a carrying case.
- Connect the charger to a proper power source. The voltage requirements are found on the product case and/or packaging.
- Do not use the charger if the cord becomes damaged.
- Do not attempt to service the unit. There are no serviceable parts inside. Replace the unit if it is damaged or exposed to excess moisture.

About GPS

- GPS is operated by the United States government, which is solely responsible for the performance of GPS. Any change to the GPS system can affect the accuracy of all GPS equipment.
- GPS satellite signals cannot pass through solid materials (except glass). When you are inside a tunnel or building, GPS positioning is not available. Signal reception can be affected by situations such as bad weather or dense overhead obstacles (such as trees, tunnels, viaducts and tall buildings).
- The GPS positioning data is for reference only.

About WIFI

- Frequency: 2412 - 2462MHz
- Max. power: XX.XXdBm

Operating temperature

- -10°C ~ 50°C

Regulatory information

For regulatory identification purposes, this device is assigned a model number of N711.

Federal Communication Commission Interference Statement



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 device 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.

FCC Caution

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC RF Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

End users must follow the specific operating instructions for satisfying RF exposure compliance.

Industry Canada statement

This device complies with ISED's licence-exempt RSSs. 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.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit

accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

Radiation Exposure Statement

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Déclaration d'exposition aux radiations

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

WEEE



This product must not be disposed of as normal household waste, in accordance with the EU directive for waste electrical and electronic equipment (WEEE – 2012/19/EU). Instead, it should be disposed of by returning it to the point of sale, or to a municipal recycling collection point.