



Protect Your Road Trip and Record Fun On The Way

INNOVV N3 for BMW Motorcycle Smart Riding System

www.innovv.com | shop.innovv.com

Product Overview

The INNOVV N3 for BMW is a smart riding display designed for compatible BMW motorcycles. When installed on a compatible BMW navigation cradle, it supports BMW Wonder Wheel control and provides easy access to Apple CarPlay, Android Auto, navigation, calls, music, and vehicle information through a bright 5.99-inch IPS touchscreen. The N3 for BMW also supports dual-channel front and rear dash cam functionality when used with the dedicated INNOVV N3 for BMW bracket. Please note that the original BMW navigation cradle does not support camera signal input. To enable dash cam recording, the N3 for BMW must be installed with the INNOVV dedicated bracket. With its refined structural design, IP67 weather resistance, and intuitive user interface, the INNOVV N3 for BMW delivers a safer, cleaner, and more connected riding experience for BMW riders.

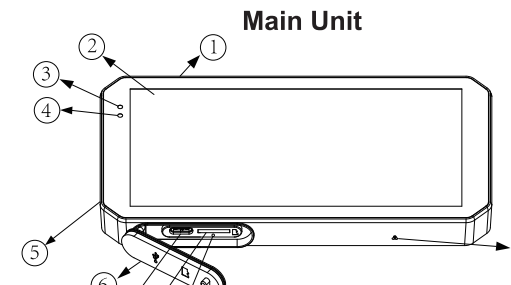
Key Features:

- 5.99-inch high-brightness IPS touchscreen
- Supports BMW Wonder Wheel control for convenient operation
- Compatible with Apple CarPlay and Android Auto
- 5.8 GHz Wi-Fi for faster and more stable wireless communication
- Supports dual-channel front and rear cameras with up to 2K/30 fps recording
- H.265 video encoding for higher efficiency and optimized storage
- Supports microSD cards up to 256 GB
- Displays BMW OEM TPMS data when the motorcycle is equipped with factory TPMS
- IP67 waterproof and dustproof for reliable outdoor use

Important Note: The standalone N3 BMW NAV display supports basic smart display functions when used with the original BMW navigation cradle. However, the original BMW cradle does not support camera signal input. If you want to use the front and rear dash cam function, please install the N3 BMW NAV with the dedicated INNOVV bracket.

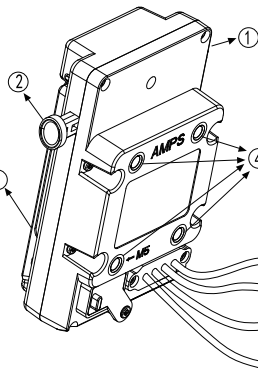


Device Overview



- Display Unit
- Touchscreen Display
- Ambient Light Sensor
- Status Indicator
- Speaker
- Protective Cover
- Service Port
- microSD Card Slot
- Reset Button
- Microphone

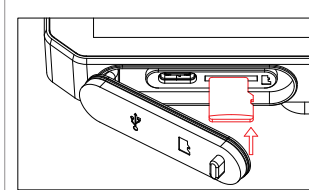
Bracket and Cables



- Security Lock
- Quick-Release Button
- Protective Cover
- Bracket Mounting Holes
- Front Camera Cable Connector to Main Unit (3-pin female)
- Front Camera Cable Connector to Main Unit (3-pin male)
- Front Camera
- Rear Camera Cable Connector to Main Unit (3-pin female)
- Rear Camera Cable Connector to Main Unit (3-pin male)
- Rear Camera
- GPS Cable Connector to Main Unit (4-pin female)
- GPS Cable Connector to Main Unit (4-pin male)
- GPS
- Power Cable Connector to Main Unit (4-pin male)
- Power Cable Connector to Main Unit (4-pin female)
- BMW Power Cable

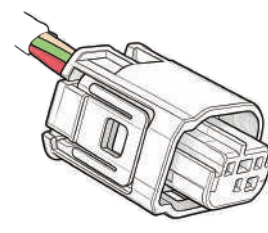
Installation Guide

microSD card Instructions & Installation

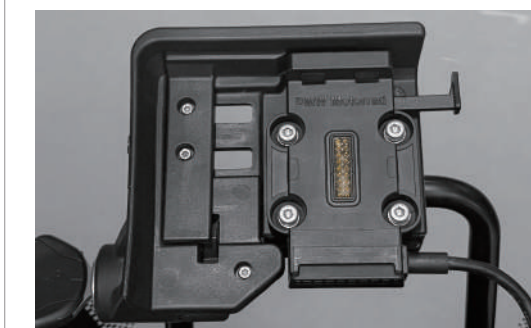


- Open the waterproof rubber cover at the latch, as shown in the diagram on the left.
- Insert the microSD card in the direction indicated by the red arrow. Then close the waterproof cover and press it firmly into place until it lies flat.

Important: If the waterproof cover is not properly secured, water may enter and damage the main unit.



BMW OEM Bracket Installation Guide



Unlock the BMW OEM Mount

- Use the original key to unlock the anti-theft lock located at the lower-left corner of the mount.
- Press and hold the button at the upper-right corner with one hand, and use the other hand to remove the protective cover from the mount.

Note: Keep the protective cover in a safe place. Also protect the 3-pin connector on the back cover from impact or rough handling to avoid damage.



Install the N3 BMW NAV Unit on the Mount

- Hold the N3 BMW NAV main unit with both hands and make sure it is oriented correctly. When facing the device, the INNOVV logo should be on the right-hand side.
- Align the bottom mounting slot of the N3 BMW NAV unit with the corresponding slot on the BMW OEM mount. Press down firmly to engage the bottom clips, then gently push the unit toward the mount until the top mounting slot aligns and clicks securely into place. A distinct "click" indicates that the unit has been installed correctly.
- Gently shake the N3 BMW NAV unit to confirm that it is firmly locked in place.

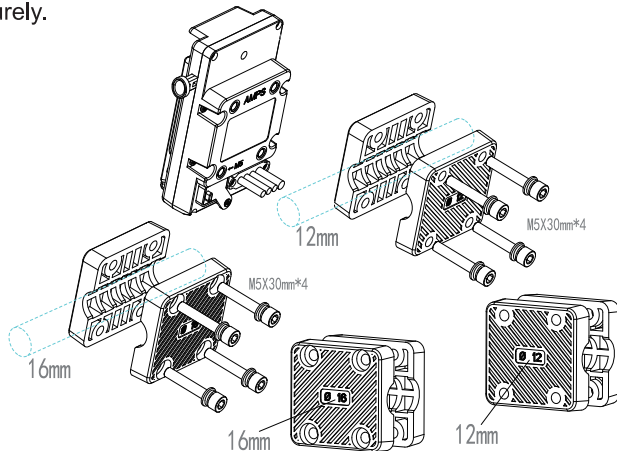
Remove the N3 BMW NAV Unit from the Mount

- Hold the N3 BMW NAV main unit with one hand.
- Press and hold the button at the upper-right corner with the other hand.
- Carefully detach the unit from the mount.

www.innovv.com

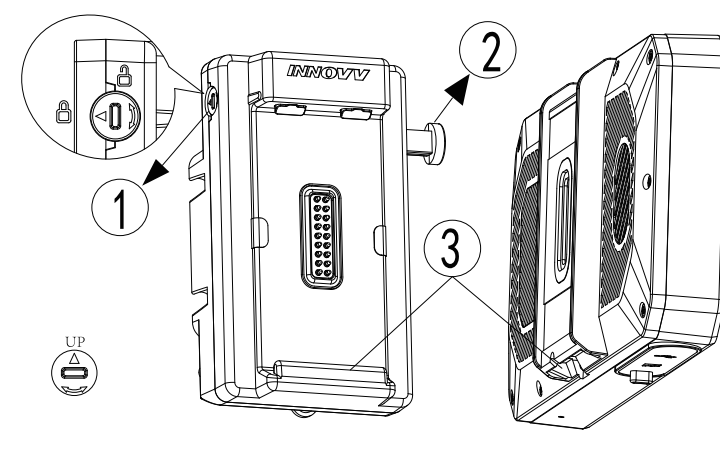
N3 BMW NAV Bracket Installation Guide

- Check whether the handlebar is 12 mm or 16 mm. Adjust the clamp orientation accordingly, as marked on the clamp. Slot size: 3.0 mm × 0.9 mm.
- Quick-Release Button:** Press to remove the main unit. If the button cannot be pressed, check whether the security lock is engaged and unlock it first.
- Bottom Latch:** Align the bottom mounting slot of the main unit with the bracket slot. Press firmly to engage the bottom latch, then gently push the unit toward the bracket until the top slot aligns and clicks securely into place. A clear "click" confirms successful installation.



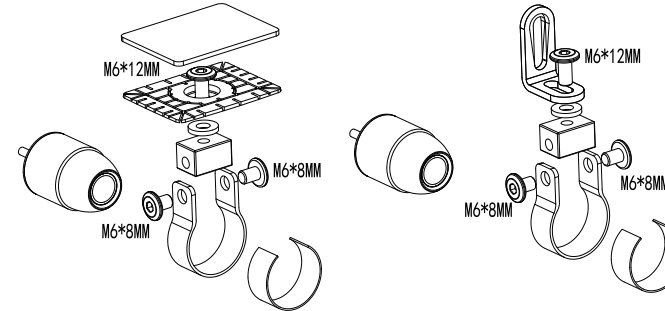
Lock and Mounting Instructions

- Security Lock:** Insert a flat-blade screwdriver into the lock slot and turn it gently. Arrow up = unlocked; arrow down = locked. Slot size: 3.0 mm × 0.9 mm.
- Quick-Release Button:** Press to remove the main unit. If the button cannot be pressed, check whether the security lock is engaged and unlock it first.
- Bottom Latch:** Align the bottom mounting slot of the main unit with the bracket slot. Press firmly to engage the bottom latch, then gently push the unit toward the bracket until the top slot aligns and clicks securely into place. A clear "click" confirms successful installation.



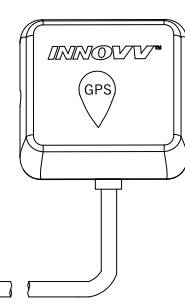
Camera and GPS Installation Guide

Camera Bracket Installation

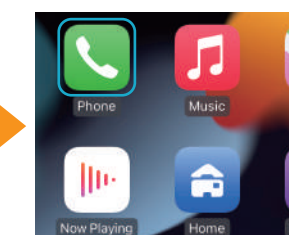


GPS Module Installation

- The side with the INNOVV logo must face upward toward the sky. Do not cover the module with metal objects.
- Use the supplied 3M adhesive pad to attach the module to a suitable fixed position. Keep it away from sources of electromagnetic interference, such as engines, radio equipment, and other high-interference components.



BMW Wonder Wheel Control Guide



Press the **MENU** button and switch to "NAV" mode, not "TFT" mode. Once selected, the BMW Wonder Wheel will control the N3 BMW NAV unit.

Wonder Wheel Operations

- Basic Navigation**
Roll the Wonder Wheel up or down to scroll through the menu options. The selected item will be highlighted. Push the wheel to the right to confirm or enter the selected option. Push the wheel to the left to go back or exit the current menu.
- Incoming Call Handling**
Push the Wonder Wheel to the left to reject an incoming call. Push it to the right to answer the call.

System Interface Description



www.innovv.com



INNOVV N3 for BMW Motorcycle Smart Riding System

www.innovv.com | shop.innovv.com

Functional Description

1. Power Indicator Status

- Red light flashing: No card or card error
- Green light steady: Recording stopped
- Green light flashing slowly: Recording in progress
- Green light flashing rapidly: Video is protected

2. Personalized Settings

In the system settings, open the "D/V" menu, where you can adjust screen brightness, volume, switch between phone and device audio, enable or disable notification sounds, and change the wallpaper.

3. OTA (Over-the-Air) Update

On the home screen, open the LINK menu and select "Update". Tap "Wi-Fi Connection" to connect to a Wi-Fi network with internet access, then tap "Check for Updates" to start downloading the firmware. Please wait patiently for a few minutes. Once the download is complete, the system will update automatically and restart.

Note: The Wi-Fi connection can be provided via your mobile phone. The update speed depends on the network quality of the Wi-Fi connection.

4. Navigation Voice

The N3 BMW NAV is equipped with a built-in speaker, which can be enabled in: Settings → "D/V" menu. Since the built-in speaker has limited output power, we recommend using an external Bluetooth headset.

Note: The Bluetooth headset should be connected to your mobile phone. The N3 BMW NAV does not support direct Bluetooth headset connection.

5. microSD Card

The N3 BMW NAV supports microSD cards from 16GB to 256GB. Please use a card with a minimum U3 write speed rating.

6. Rear-View Streaming Assistance

Tap "Dash Cam" on the display to enter live view mode. You can swipe left or right to switch and view the real-time rear camera feed.

7. Restarting the N3 BMW NAV System

Open the waterproof cover at the bottom of the main unit. Locate the reset hole near the TF card slot and press it once using a pin to restart the system.

8. Switching between 1080P and 2K Cameras

If the preview image is displayed incorrectly, you can adjust the resolution settings. Go to: Dash Cam → Settings → Resolution. Select either 1080P or 2K, then tap Confirm. The system will restart automatically. After restarting, please check whether the preview image is normal.

9. Parking Mode

Note: Since the bracket draws power from the BMW motorcycle's factory power supply, it will shut off when the vehicle is locked. Therefore, the parking surveillance function is not available when the motorcycle is parked.

APP Download & Setting Instructions

- Scan the corresponding system APP QR code with your mobile phone and install it.
- Please allow the APP to access location information, network permissions, and full photo gallery access during installation. These permissions are required for the APP to function properly.
- Follow the prompts to connect to the N3 BMW NAV device's Wi-Fi hotspot, and enter the correct password: 12345678.

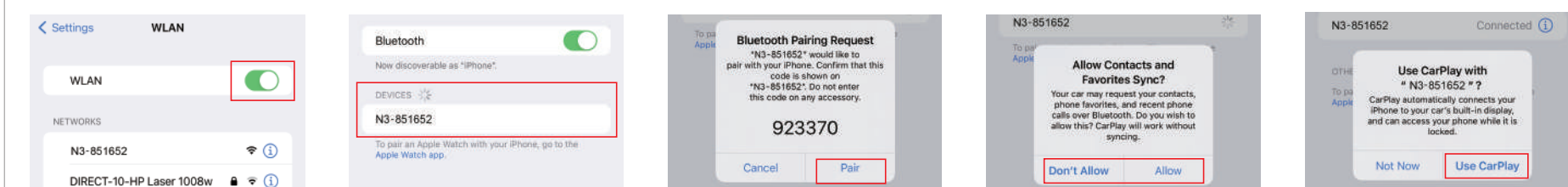


- Camera
- Video
- INNOVV official website
- Settings
- Document
- Feedback
- INNOVV forum
- FAQ

Mobile Phone Connection Steps

IOS Users:

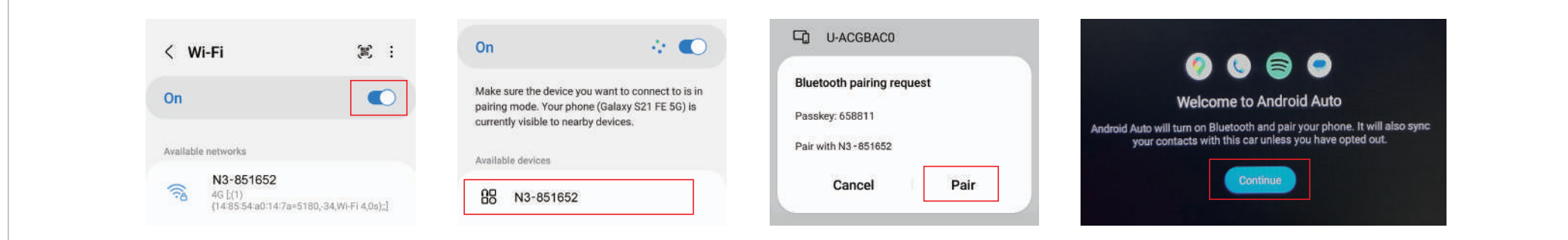
- Click on the main screen.
- Enable both Wi-Fi and Bluetooth on your phone simultaneously. Search for the Bluetooth device named N3 BMW NAV and actively connect to it.
- Once the device is connected, your phone will prompt you to pair via Bluetooth. Select "Pair" and, when prompted, choose whether to allow synchronization of contacts and favorites. After a moment, please select "Use CarPlay while driving" to complete the device connection.
- The CarPlay interface will be displayed on the screen. You can exit the CarPlay interface by pressing the Home button .



Android Users:

- Click on the main screen.
- Turn on Wi-Fi and Bluetooth at the same time on your phone, and search for a device with the Bluetooth name N3 BMW NAV, and then click on this device to connect.
- The phone will prompt a Bluetooth pairing request once the device is connected, please select pairing. Then please select Continue when the display prompts "Welcome to use Android Auto", at this time, the device has completed the connection.
- The Android Auto interface will be displayed on the screen. You can exit the Android Auto interface by pressing the icon.

www.innovv.com

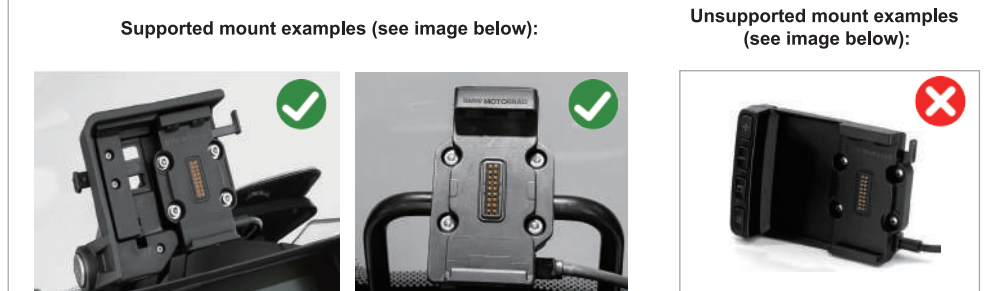


Specification

Structure Parameters		Bracket	
DVR	Front Mounted	Installation	Front Mounted
Installation	160*85*28mm	Size of DVR	68*94*35mm
Size of DVR	290g	Weight of DVR	130g
Weight of DVR	Black	Color	Black
Color	IP67	Waterproof Rate	IP67
Waterproof Rate	Specification		
Processor	A7 Dual-core	Storage Method	microSD Card
RAM	2G	Supported Capacity	U3 16GB-256GB
Operational System	Linux	Video Format	TS
Operation Method	Touchscreen	Maximum Recording Resolution	2560 × 1440
Bluetooth	Bluetooth 5.2	Voltage Input	9-16V
Wireless Connection	Wi-Fi (2.4GHz / 5GHz)	ACC Input	9-16V
Sensor	G-sensor, Light Sensor	Working Current	12V 650mA
Video Encoding	H.265	Standby Current	< 1 mA
Microphone	< 42 dB	Operating Temperature	-15°C ~ +60°C
GPS	10Hz	Storage Temperature	-20°C ~ +70°C
Display			
Size	5.99 inches	Aspect Ratio	16:9
Resolution	1440*720	Touch Screen	Capacitive
Brightness	1200 cd/m²	Camera Parameters	
Maximum Resolution		Cable Length	F 1M, R 3M
Viewing Angle	120°	Weight of Lens	F 75g, R 105g
Structure	2G+4P+1IR	Size of Lens	Dia 28*14mm
Aperture	F1.8	Imaging Technology	HDR

Compatibility Guide: BMW Mounts for N3 BMW NAV

Currently, the N3 BMW NAV is compatible with BMW models equipped with original BMW mounts, including: R1200 GS / RS / GS Adventure, R1250 GS / RS / GS Adventure, R1300 GS / GS Adventure, etc. Additional model support will be released in the future - please refer to our official website for the latest announcements.



Important Notes

- Aftermarket done mounts differ structurally and electronically from genuine BMW mounts. The N3 BMW NAV is not compatible with such mounts. Please ensure that an original BMW mount is used to avoid potential damage to related components.
- Due to variations in BMW models, production years, and onboard software versions, compatibility issues may occur. If any problems arise, please contact our after-sales service promptly.
- If the Wonder Wheel control does not function properly, please verify that the mount is genuine and check the contact points for dirt or damage.

Customer Support

For more information about INNOVV products and accessories, please refer to www.innovv.com or www.innovv-powersports.com. For any suggestions or customer support, please contact us by sending an E-mail to cs@innovv.com. Hereby, INNOVV Tech Co., LTD declares that the radio equipment type N3 BMW NAV is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: www.innovv.com/N3 BMW NAV

Disposal of Electrical & Electronic Equipment (WEEE):
The crossed-out garbage can symbol on the product, literature, or packaging reminds you that all electrical and electronic products, batteries, and accumulators must be taken to separate collection at the end of their working life. This requirement applies to the European Union and other locations where separate collection systems are available. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please do not dispose of the products as unsorted municipal waste, but hand it in at an official collection point for recycling. WEEE often contains sensitive personal data. This applies in particular to information and telecommunications technology devices such as computers and smartphones. In your own interest, please note that each end user is responsible for deleting the data on the WEEE that is to be disposed of.



www.innovv.com

570*420mm