



Protect Your Road Trip and Record Fun On The Way

INNOVV N3 Motorcycle Smart Riding System

www.innovv.com | shop.innovv.com

Product Overview

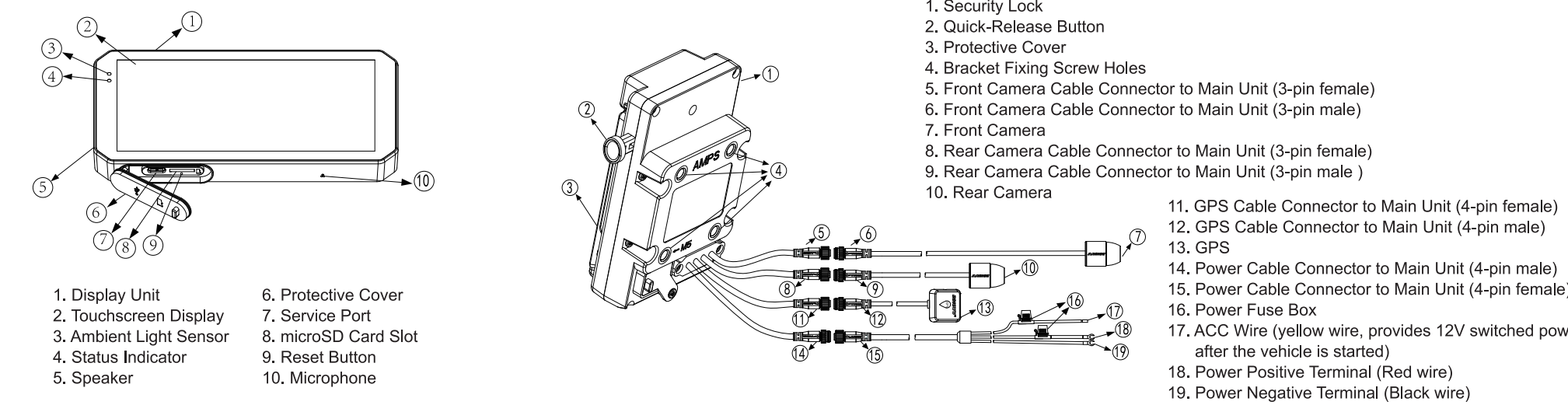
The INNOVV N3 is a smart riding system designed specifically for motorcycles. It features dual-channel 2K 30fps video recording and supports smartphone integration (iOS CarPlay and Android Auto). It also provides rearview streaming assistance, video playback, parking monitoring, and a high-definition, high-brightness full touchscreen interface. The product adopts a detachable mounting bracket design, allowing the main display unit to be removed and stored safely when not in use, reducing the risk of theft. It comes with two compact and easy-to-install cameras. With practical smartphone connectivity, it effectively solves the inconvenience of using a phone while riding. The 5.99-inch full touchscreen enables easy navigation, information access, and hands-free calling, significantly enhancing the overall riding experience and capturing every exciting moment.

Product Features:

- 5.99-inch high-brightness HD full touchscreen display
- Smartphone connectivity (iOS CarPlay & Android Auto)
- Front and rear dual cameras with 2K 30FPS recording
- Quick-release mount for detachable display, reducing theft risk
- F1.8 large aperture all-glass lens for improved image quality and reduced distortion
- H.265 high-efficiency video encoding
- Supports up to 256GB storage card
- Dual-band Wi-Fi (5.8GHz for faster and more stable transmission)
- Tire Pressure Monitoring System (TPMS)
- IP67 waterproof and dustproof rating

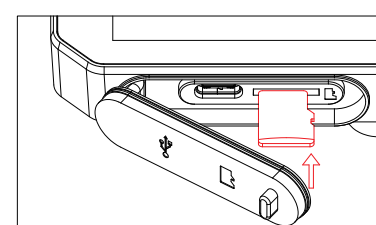


Brief Introduction



Installation Guide

microSD card Instructions & Installation

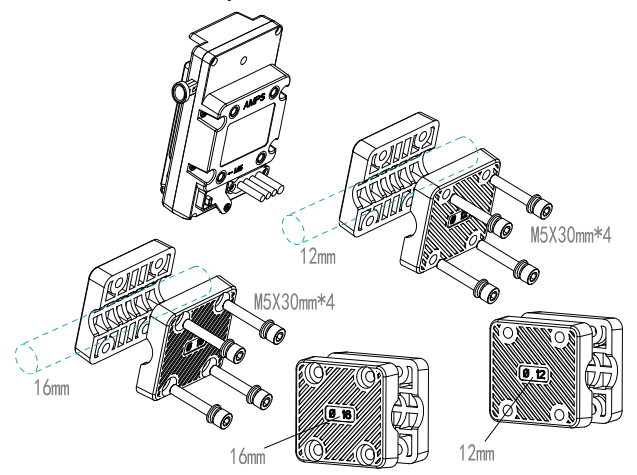


- Open the waterproof rubber cover at the latch, as shown in the diagram on the left.
- Insert the microSD card in the direction indicated by the red arrow. Then close the waterproof cover and press it firmly into place until it lies flat.

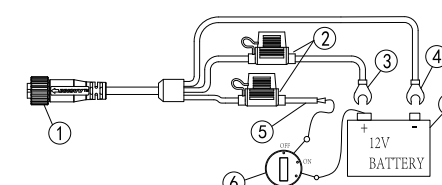
Important: If the waterproof cover is not properly secured, water may enter and damage the main unit.

Lock and Mounting Instructions

- Confirm whether the bracket rod diameter is 12mm or 16mm. Adjust the clamp orientation accordingly (labeled on the clamp). Add the rubber pad from the accessory pack to prevent loosening.
- Once orientation is confirmed, attach the rubber pad and tighten the 4 screws. Ensure the center gap remains parallel - avoid over-tightening on one side.
- Tighten the clamp screws, adjust the center gap evenly, attach the screen shield, adjust the viewing angle to preference, and finally tighten all screws securely.



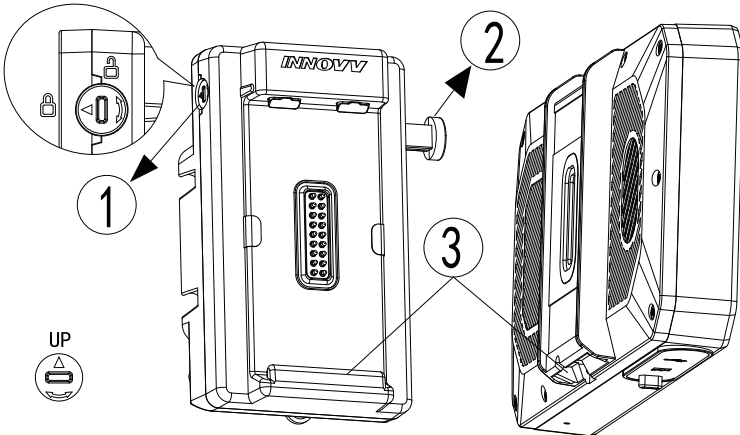
Power Connection



- Power output cable (4-pin female)
- 2A fuse holder
- Red wire (connected to the positive of battery)
- Black wire (connected to the negative of battery)

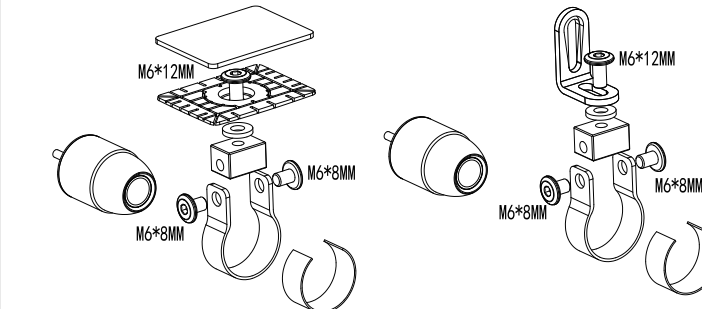
- ACC power cable (yellow), controls the power on and off.
- Motorcycle electric key lock.
- Motorcycle battery.

- 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 x 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.



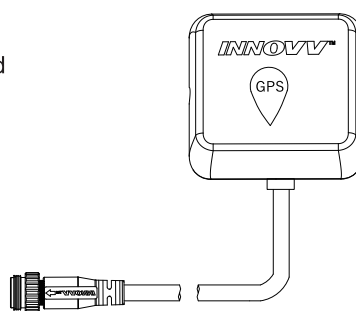
Camera and GPS Installation Guide

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.



System Interface Description



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 "DIV" 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 is equipped with a built-in speaker, which can be enabled in: Settings --> "DIV" menu. Since the built-in speaker has limited output power, we recommend using an external Bluetooth headset connection.

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

5. microSD Card

The N3 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 System

Open the waterproof cover at the bottom of the main unit. Locate the reset hole near the microSD 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 Instruction

- If the parking monitoring mode is turned on, the N3 system will provide all-day protection when the ignition is off. The N3 system adopts smart power management, when the built-in G-Sensor detects a collision or movement, the N3 system will wake up and start recording.
- In order to run the parking mode properly, please ensure that the N3 is always connected to the power supply: red wire-positive terminal black wire-negative terminal yellow wire-ACC wire (bike lock power switch).
- Parking monitoring is automatically disabled by the DVR when battery voltage falls under 12.5V, avoiding over-discharge and potential engine start failure.

www.innovv.com



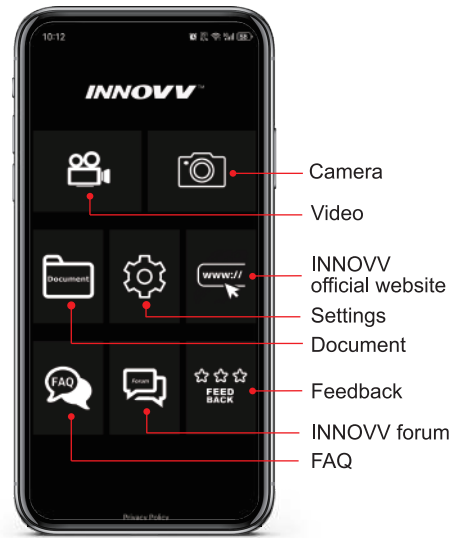
Protect Your Road Trip and Record Fun On The Way

INNOVV N3 Motorcycle Smart Riding System

www.innovv.com | shop.innovv.com

APP Download & Setting Instructions

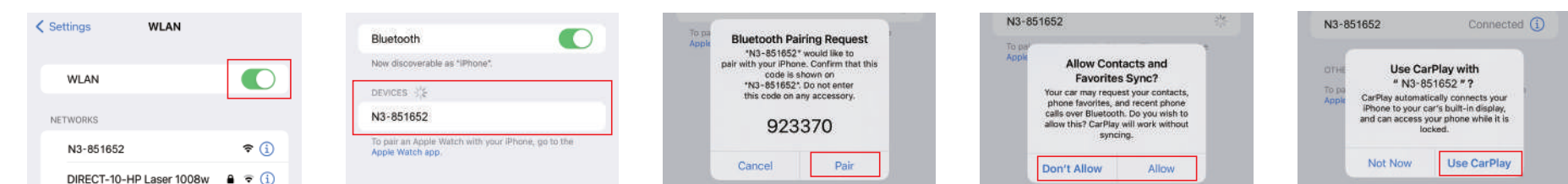
- Scan the corresponding system APP QR code with your mobile phone and install it.
- Please allow the APP to access location information, network permissions, and full photo gallery access during installation. These permissions are required for the APP to function properly.
- Follow the prompts to connect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



Mobile Phone Connection Steps

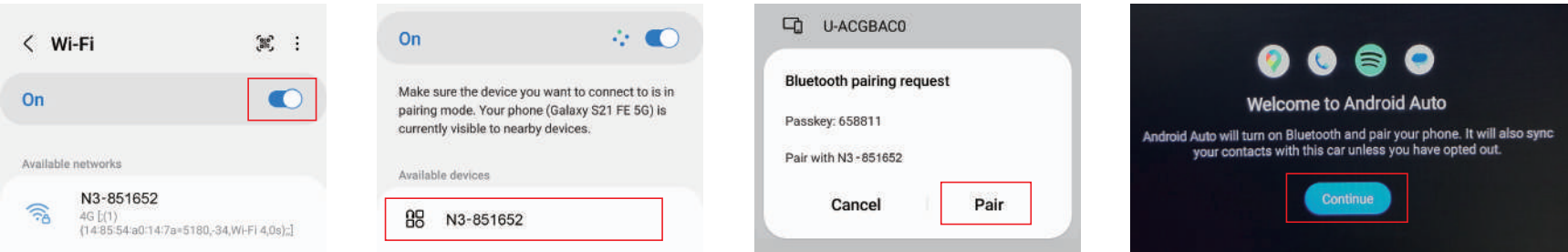
IOS Users:

- Click on the main screen.
- Enable both Wi-Fi and Bluetooth on your phone simultaneously. Search for the Bluetooth device named N3 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:

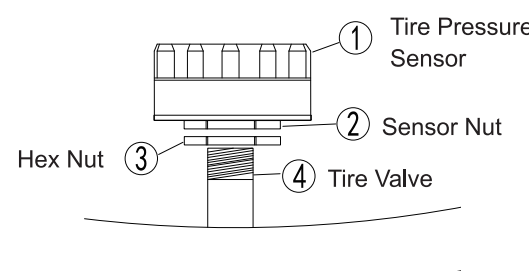
- Click on the main screen.
- Turn on Wi-Fi and Bluetooth at the same time on your phone, and search for a device with the Bluetooth name N3, and then click on this device to connect.
- Please ensure the vehicle power supply is 12V DC to prevent issues such as failure to start up, automatic shutdown, or potential damage to the intelligent screen recorder due to power supply problems.
- When installing the main unit and wiring harness, keep them away from heat sources and electromagnetic interference to prevent malfunctions in the N3.
- Before connecting the connector, check if the waterproof sealing ring is intact and in place to prevent water ingress, loosening, and other issues.
- Please use a microSD card with a minimum U3 write speed rating, unqualified microSD Card may not work properly.
- INNOVV N3 is a high-precision product that should not be dropped or severely impacted.



Tire Pressure Monitoring System Instructions (Not Included)

Installation of Tire Pressure Sensor

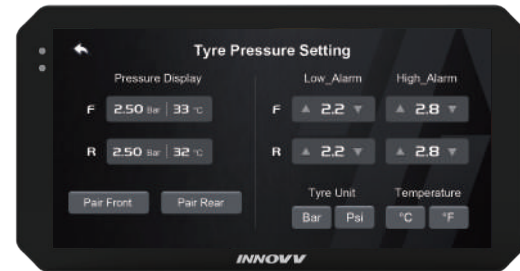
- Install the sensor externally on the tire.
- Unscrew the dust cap from the tire valve.
- Place the hex nut onto the valve, install the tire pressure sensor, tighten the sensor nut with a wrench, and then lock the hex nut back towards the sensor.



Tire Pressure Setting Operation:

- Set the tire pressure unit to Bar or PSI as needed.
- Set the pressure alarm value according to the vehicle model. If the tire pressure exceeds the set value, either too low or too high, a red alert will be triggered.
- Pairing tire pressure: A corresponds to the front wheel (FRO) and B to the rear wheels (BAC). Install the A tire pressure sensor on the front wheels and pair, then install the B tire pressure sensor on the rear wheels and pair.

Note: If the tire pressure value is not displayed, please re-pair. If you need to replace the sensor, please unscrew the old one before pairing a new tire pressure sensor.



Specification

Structure Parameters			
DVR		Bracket	
Installation	Front Mounted	Installation	Front Mounted
Size of DVR	160*85*28 mm	Size of DVR	68*94*35 mm
Weight of DVR	290 g	Weight of DVR	130 g
Color	Black	Color	Black
Waterproof Rate	IP67	Waterproof Rate	IP67
Specifications			
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	2560x1440
Bluetooth	Bluetooth 5.2	Voltage Input	5-16 V
Wireless Connection	Wi-Fi (2.4 GHz / 5 GHz)	ACC Input	5-16 V
Sensor	G-sensor, Light Sensor	Working Current	12 V, 650 mA
Video Encoding	H.265	Standby Current	< 1 mA
Microphone	-42 dB	Operating Temperature	-15 °C ~ +60 °C
GPS	10 Hz	Storage Temperature	-20 °C ~ +70 °C
Display			
Size	5.99 inches	Aspect Ratio	18:09
Resolution	1440*720	Touch Screen	Capacitive
Brightness	1200 cd/m²		
Camera Parameters			
Maximum Resolution	2K@30FPS	Cable Length	F 1M, R 3M
Viewing Angle	120°	Weight of Lens	F 75g, R 105 g
Structure	2G+4P+1IR	Size of Lens	Dia 28*140 mm
Aperture	F1.8	Imaging Technology	HDR

Packing list

Name	Quantity
N3 DVR	1 pcs
GPS Module	1 pcs
N3 Quick-Release Bracket	1 pcs
Bracket accessory pack	1 pcs
Power cable	1 pcs
2K Front Camera	1 pcs
2K Rear Camera	1 pcs
Camera bracket pack	2 pcs
N3 instruction manual	1 pcs

Notices

- If you need to operate the device while wearing gloves, please use touchscreen-compatible gloves, to operate the N3.
- Please follow the manual to install the microSD Card to avoid damage to the Smart screen N3 or microSD Card due to incorrect operation.
- Please ensure the vehicle power supply is 12V DC to prevent issues such as failure to start up, automatic shutdown, or potential damage to the intelligent screen recorder due to power supply problems.
- When installing the main unit and wiring harness, keep them away from heat sources and electromagnetic interference to prevent malfunctions in the N3.
- Before connecting the connector, check if the waterproof sealing ring is intact and in place to prevent water ingress, loosening, and other issues.
- Please use a microSD card with a minimum U3 write speed rating, unqualified microSD Card may not work properly.
- INNOVV N3 is a high-precision product that should not be dropped or severely impacted.

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 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

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.



570*420mm

www.innovv.com

www.innovv.com