

NOLAN N20-2

Nolan N20-2 Unisex Adult Helmet Instruction Manual

Brand: NOLAN | Model: N20-2

1. SAFETY INFORMATION

Your Nolan N20-2 helmet is designed to provide protection during motorcycle use. Adherence to safety guidelines is crucial for your well-being.

- **Certification:** This helmet is approved according to UN/ECE 22-06 standards, ensuring it meets rigorous safety requirements.
- **Shell Construction:** The shell is made from durable Lexan™ polycarbonate, engineered to effectively absorb impact energy and reduce force transmitted to the rider's head.
- **Impact Absorption:** Multi-density EPS (Expanded Polystyrene) is used to absorb impact energy across various temperatures, speeds, and surface types.
- **Retention System:** The Microlock retention system provides a secure, precise, and quick helmet fastening. Always ensure the chin strap is properly fastened before riding.
- **Visibility:** The helmet is compatible with ESS III (Emergency Stop Signal) for enhanced rider visibility on the road (system sold separately).
- **Proper Fit:** A helmet must fit snugly and comfortably. An improperly fitted helmet can compromise safety.
- **Never Modify:** Do not modify the helmet in any way, as this can severely compromise its protective capabilities.
- **Impact Replacement:** Always replace your helmet after any impact, even if visible damage is not apparent.

2. PRODUCT OVERVIEW

The Nolan N20-2 helmet combines modern design with essential functionality for urban riding.



Figure 2.1: Front-side view of the Nolan N20-2 helmet, showcasing its red and white design with the integrated dark sun shield and clear outer visor.

- **Shell:** Constructed from Lexan™ polycarbonate for high resistance.
- **Visor:** Ultrawide, anti-scratch visor provides an increased field of vision.
- **VPS Sun Shield:** Integrated Vision Protection System (VPS) sun shield is adjustable to multiple positions, offers UV protection up to 400 nm, and includes an emergency recall command.
- **Ventilation:** "AirBooster Technology" ensures optimal airflow, drawing air from upper intakes and channeling it through internal ducts to a rear extractor.
- **Interior Padding:** Features an innovative inner lining with an open mesh structure for enhanced ventilation. The padding is made from soft, durable, and breathable recycled Italian polyamide, and is fully removable and washable.
- **Eyewear Adaptive (EA):** Designed to facilitate the use of glasses.
- **N-Com Compatibility:** Pre-arranged and certified for N-Com Bluetooth+ and N-Com Mesh TM communication systems.
- **Noise Reduction:** Vortex generators on the visor edge help reduce noise when the visor is open.



Figure 2.2: Front view of the Nolan N20-2 helmet, highlighting the clear outer visor and the dark internal sun shield.



Figure 2.3: Side view of the Nolan N20-2 helmet, showing the ventilation system and the visor mechanism.

3. SETUP

3.1 Initial Inspection

Upon receiving your helmet, carefully inspect it for any signs of damage that may have occurred during shipping. Ensure all components are present and functioning correctly.

3.2 Helmet Fitting

A correct fit is paramount for safety and comfort.

1. **Size Selection:** Refer to the Nolan sizing chart to choose the appropriate size. The helmet should feel snug around your head, cheeks, and jaw, without causing pressure points.
2. **Wearing the Helmet:** Hold the chin straps apart and pull the helmet over your head. It should be a little difficult to put on, indicating a good fit.
3. **Chin Strap Adjustment:** Fasten the Microlock retention system. Pull the strap until it is tight under your chin, but not uncomfortably so. Ensure you cannot pull the helmet off your head when the strap

is fastened.

4. **Head Movement Test:** With the chin strap fastened, try to move the helmet from side to side and up and down. Your skin should move with the helmet, and the helmet should not slide independently.

3.3 Visor and VPS Sun Shield

The Ultrawide visor and VPS sun shield are pre-installed. Familiarize yourself with their operation.

- **Visor Movement:** Practice opening and closing the clear outer visor. It should move smoothly and securely.
- **VPS Sun Shield Operation:** Locate the control for the VPS sun shield. Practice deploying and retracting it. Note the multiple adjustable positions and the emergency recall function.

3.4 N-Com Communication System (Optional)

Your N20-2 helmet is designed for easy integration of Nolan's N-Com Bluetooth+ and N-Com Mesh TM communication systems. Refer to the specific N-Com system's manual for installation instructions.

4. OPERATING

4.1 Wearing the Helmet

Always ensure the helmet is correctly positioned on your head, covering your forehead, and the Microlock chin strap is securely fastened before starting your ride.

4.2 Visor Usage

The clear Ultrawide visor protects your eyes from wind, insects, and debris. Open or close it as needed for visibility and comfort. Avoid touching the inner surface to prevent scratches on the anti-scratch coating.

4.3 VPS Sun Shield Usage

The VPS sun shield helps reduce glare from sunlight. Use the control mechanism to deploy it to your preferred position. In situations requiring immediate clear vision, activate the emergency recall function to quickly retract the sun shield.

4.4 AirBooster Ventilation System

Utilize the AirBooster Technology for optimal internal airflow. Adjust the upper air intakes to control the amount of air entering the helmet, which is then channeled to the rear extractor for continuous ventilation.

5. MAINTENANCE

Regular maintenance ensures the longevity and effectiveness of your helmet.

5.1 Cleaning the Helmet Shell

- Use a soft cloth dampened with lukewarm water and a mild, neutral soap.
- Gently wipe the exterior of the Lexan™ polycarbonate shell.
- Rinse thoroughly with clean water and dry with a soft, lint-free cloth.
- Avoid using harsh chemicals, solvents, or abrasive cleaners, as these can damage the shell's finish and integrity.

5.2 Cleaning the Visor and VPS Sun Shield

- Remove the visor and VPS sun shield if possible (refer to Nolan's specific instructions for removal).
- Wash with lukewarm water and a soft cloth. A very mild soap can be used if necessary.
- Rinse thoroughly and allow to air dry. Do not wipe dry, especially the inner anti-fog surface, to avoid scratching.
- Never use abrasive materials or chemical cleaners on the visor or sun shield.

5.3 Cleaning the Interior Padding

- The interior padding is removable and washable. Carefully detach the cheek pads and liner.
- Hand wash the padding in lukewarm water with a mild, neutral soap.
- Rinse thoroughly and gently squeeze out excess water.
- Allow the padding to air dry completely before re-installing it into the helmet. Do not machine wash or tumble dry.

5.4 Chin Strap Care

Clean the chin strap with a damp cloth and mild soap. Ensure it is completely dry before use. Inspect the Microlock mechanism regularly for proper function.

5.5 Storage

Store your helmet in a cool, dry place, away from direct sunlight and extreme temperatures. Use a helmet bag to protect it from dust and scratches.

6. TROUBLESHOOTING

This section addresses common issues you might encounter.

- **Excessive Noise:** Ensure the visor is fully closed and sealed. The helmet's design includes vortex generators to help reduce noise when the visor is open, but a closed visor provides the best acoustic insulation.
- **Improper Fit:** If the helmet feels too loose or too tight, re-evaluate your size. Ensure the interior padding is correctly seated and not bunched up.
- **Visor Fogging:** Ensure the helmet's ventilation system (AirBooster Technology) is open and functioning. In cold or humid conditions, some fogging may occur.
- **Damaged Components:** If any part of the helmet, including the shell, visor, or retention system, appears damaged or compromised, discontinue use immediately and contact an authorized Nolan service center or your retailer.

7. SPECIFICATIONS

Feature	Detail
Brand	NOLAN
Model Name	N20-2
Shell Material	Lexan™ Polycarbonate (PC)
Weight	Approx. 1 kg (1200g +/- 50g for size M, ECE 22-06)
Certification	UN/ECE 22-06

Visor	Ultrawide, Anti-scratch
Sun Shield	VPS (Vision Protection System), UV400 Protection, Adjustable
Ventilation	AirBooster Technology
Retention System	Microlock
Interior	Removable, Washable, Recycled Italian Polyamide
Compatibility	N-Com Bluetooth+, N-Com Mesh TM, ESS III
Included Components	Helmet
Country of Origin	Italy (100% Made in Italy)

8. WARRANTY & SUPPORT

8.1 Manufacturer's Warranty

The Nolan N20-2 helmet comes with a **2-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For any questions, concerns, or technical assistance regarding your Nolan N20-2 helmet, please contact your authorized retailer or Nolan customer service. You can find contact information on the official Nolan website or through your purchase documentation.