



n-com B101R Series Helmet Communication Systems **Instruction Manual**

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n-com B101R Series Helmet Communication Systems



INSTRUCTIONS AND SAFETY

USER INSTRUCTIONS AND SAFETY

Thank you for buying an N-Com product. N-Com B101 was made using the most advanced technology and top-quality materials. Long-running tests and thorough system development have made it possible to achieve the highest audio quality. Please read the user instructions before using the product. For further information on the B101 video tutorials and information on installing the latest Firmware version, please visit www.nolan-helmets.com/n-com





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WARNINGS AND SAFETY

Product compliant with EU Directive 2014/53/EU (RED). Complete compliance statement downloadable at www.nolan-helmets.com/n-com Read this User Manual carefully, as well as the simple rules listed below. Failure to comply with these rules may lead to dangerous situations.

- Caution: The product cannot be used in official or non-official competitions, motordromes, circuits, racing tracks, and the like.
- Caution: Installation of the N-Com system results in a weight increase of approximately 100-120 g, which is added to the weight of the helmet and of the other accessories.
- Warning: The electronic components of the N-Com system mounted inside the helmet are not waterproof.
 Consequently, make sure the inside of the helmet, including the comfort padding, does not get wet in order to avoid damage to the system. If water seeps into the helmet, remove the comfort padding from the helmet and allow it to air dry.

Road safety

Always obey all Traffic Regulations in force. While riding your motorcycle, your hands should always be engaged in actually riding the vehicle. Any operation to the N-Com system must be carried out with the motorcycle stopped. Specifically:

- Set your cell phone on automatic answer (see the cell phone instructions to do this).
- If your cell phone is not equipped with this function, first stop your vehicle in a safe area, in compliance with Traffic Regulations, and then answer the call.
- Do not make any calls while riding. Stop your vehicle in a safe place in compliance with Traffic Regulations and then make the call.
- Adjust the volume so that it does not cause a disturbance or distraction while riding and at the same time allows you to hear background noises clearly.
- Do not operate your cell phone or other devices connected to the N-Com system while riding your motorcycle.
- In all cases, obey the Traffic Regulations and remember that riding the motorcycle has absolute priority over any other maneuver.

Switching on the system in safe environments

- When using the N-Com system, comply with all limitations and instructions related to the use of cell phones.
- Do not turn on your cell phone or the N-Com system whenever their use is forbidden or when these devices can cause interference or dangerous situations.
- Turn off while refueling. Do not use the N-Com system at filling stations. Do not use the device near combustible materials or chemical products.
- Turn off when near explosive materials.

Interferences

All phones and devices with wireless signal transmission are subject to interferences that may affect the performance of the device connected to them. These interferences are not ascribable to a defect of the N-Com system.

Appropriate use

Use the device only in the normal position, as described in the product documentation. Do not attempt to disassemble, tamper with, or modify any part of the N-Com system.

- Caution: Adjust the volume of the N-Com system and of the audio sources connected to it before you use the system on the road.
- Caution: Adjusting the volume to exceedingly high levels may cause damage to your hearing.
- Caution: Incorrect installation of the system in the helmet may alter the aerodynamic and safety characteristics of the helmet itself, thus creating dangerous conditions. Install the N-Com system according to the instructions provided in the product documentation. In case of doubt, please contact your local N-Com dealer.
- Warning: Listening to other equipment should not interfere with riding your motorcycle, which must be the top priority at all times. Carry out all operations on the electronic equipment and on the N-Com system with the vehicle stopped, in compliance with Traffic Regulations.

Qualified personnel

- Only qualified personnel can carry out technical assistance on this product. In case of any malfunction, always turn to your local dealer.
- The helmet is a safety device. Tampering with it and/or with the electronic system inside the helmet can result in dangerous situations, in addition to invalidating the product warranty.

Accessories and batteries

- Only use the type of batteries, battery chargers, and accessories approved by Nolangroup for the specific model.
- Using a battery type different from the recommended one may lead to dangerous situations and invalidate the warranty.
- Contact your local dealer to see about the availability of approved accessories.
- When disconnecting the power supply cable of any accessory or of the battery charger, always grab and pull the plug, not the cable.
- Do not use batteries for purposes other than the prescribed ones.
- Never use batteries or battery chargers that turn out to be damaged.
- Do not short-circuit the battery.
- Keep the battery at a temperature between 0° / +45°C (charging): -10° / +55°C (in use).
- The danger of fire or explosion: do not throw the batteries into a fire or expose them to high temperatures!
- Do not throw out batteries together with household refuse. The batteries should be disposed of in compliance with local regulations
- Do not wear the helmet while the battery is recharging.
- The helmet should never be left within the reach of unsupervised children in order to prevent damage to their health caused by access to the batteries.

Disposal

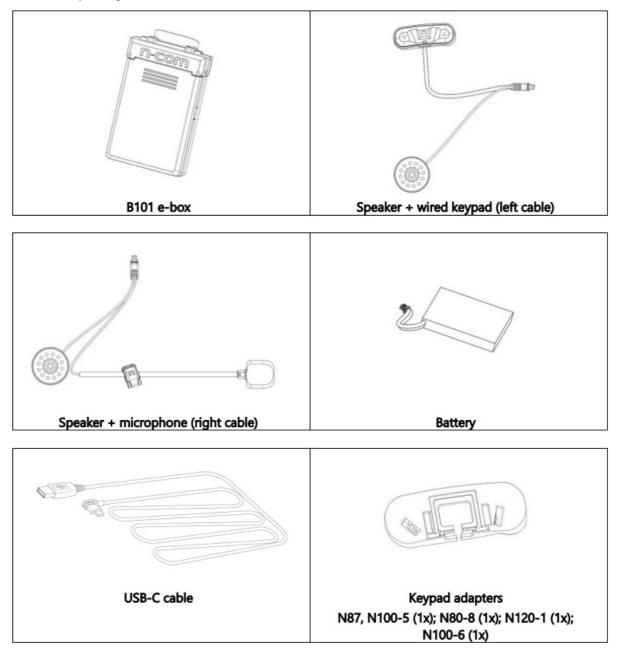
Refer to this user manual and to manuals related to other parts of the N-Com system in order to disassemble the system from the helmet. Once the system has been disassembled, dispose of it according to the following instructions:

• The presence of a crossed-out wheelie bin indicates that in the European Union, the product is subject to separate collection at the end of its useful life.

- Do not dispose of these products together with undifferentiated urban waste.
- The proper disposal of obsolete equipment contributes to preventing possible negative consequences on people's health and on the environment.
- Within the European Union, the dealer, when supplying the new equipment, ensures that the used equipment will be collected free of charge, provided it is equivalent to a ratio of one to one.
- For more detailed information on the disposal of obsolete equipment, contact your municipality, a waste disposal service, or the store where the product was purchased.

CONTENT OF THE PACKAGING

The N-Com B101 package contains:

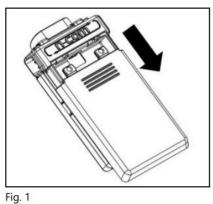


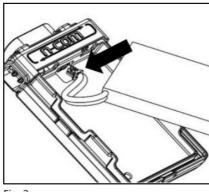
INSTALLATION ON THE HELMET

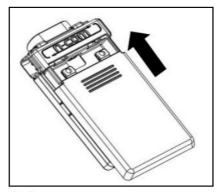
Important: Prior to installing the N-Com system, it is recommended to write down the identification code affixed to the product (see Chapter 11.4). The installation video can be found in the support section at www.nolan-nelmets.com/n-com

Battery connection

- Open the e-box (Fig. 1).
- Connect the battery to the port (Fig. 2), taking care to insert it correctly. If necessary, use the provided flat head screwdriver to insert the battery connector fully into the port.
- Close the e-box (Fig. 3).







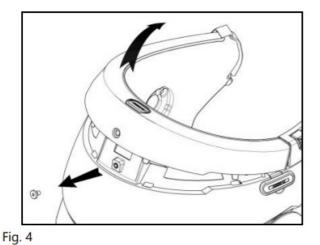
rig. i

Fig. 2

Fig. 3

Initial steps

- Before you install the B101 system on the helmet, make sure it turns on properly. Press the "n" key for about 2 seconds, until the blue LED on the keypad lights up and you hear a beep in the headset. Proceed with the installation.
- Remove the cheek padding (see helmet instructions).
- Remove the helmet edge gasket using the special tool (Fig. 4).
- Note for N120-1 and N100-6 helmets: In addition to the screw on the back of the helmet rim, the screws on the left and right sides of the rim seal must also be unscrewed to remove the rim seal. To do this, the caps on the left and right side of the rim seal must be removed, using the supplied flat-head tool (Fig. 4C). Keep the right-hand cap, as it will need to be put back on once the installation is complete.
- Completely remove the gasket as shown in Fig. 4; by doing so you also remove the padding.
- Remove the "N-Com" plugs found at the back of the shell gasket and on the left side of the helmet.



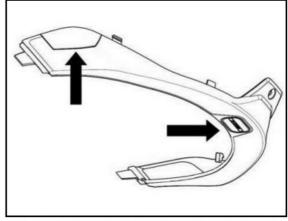


Fig. 4B - ONLY FOR N87, N80-8, N100-5 HELMETS

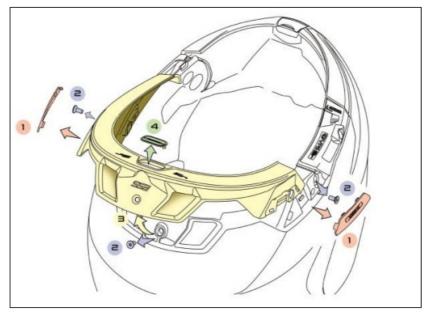
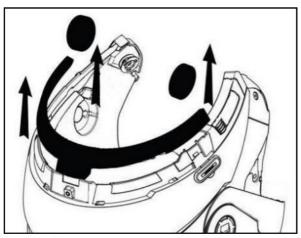
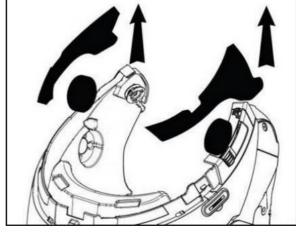


Fig. 4C - ONLY FOR N100-6, N120-1 HELMETS

• Prior to installing the N-Com system, remove any filling foam material, if present, from the helmet (refer to the user manual for your specific helmet).





Option 1 Option 2

• NB: keep the helmet padding and the caps in case you choose to use the helmet without the N-Com system installed.

Installing the B101 system on the helmet

• Insert the left-hand cable (attached to the keypad) into the port, as shown (Fig. 5).

• NB: the left cable comprises a speaker and keypad.

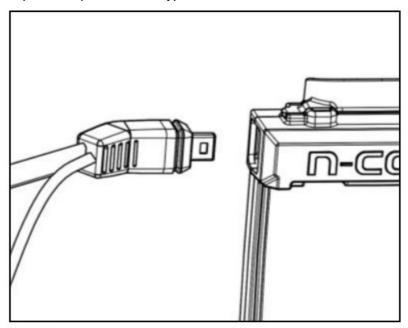


Fig. 5

- Connect the right-hand cable to the port, as shown (Fig. 6).
 - NB: the right cable comprises a speaker and microphone.

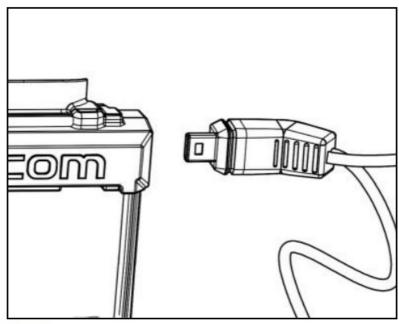


Fig. 6

• Place the system in the special housing in the back of the helmet, pushing it all the way into the groove (Fig. 7).

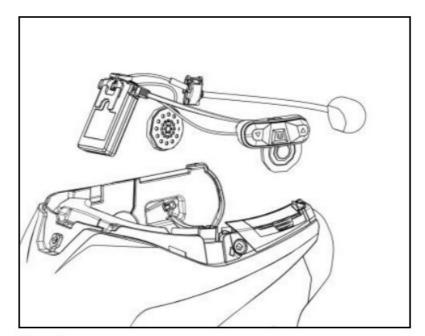


Fig. 7

- N.B.: For positioning of the wiring and of the microphone in the N100-5, N100-6, and N120-1 helmet, follow the instructions provided in the dedicated box.
- Fix the cable inside the helmet and make sure the right fixing clip snaps into its housing (Fig. 8).

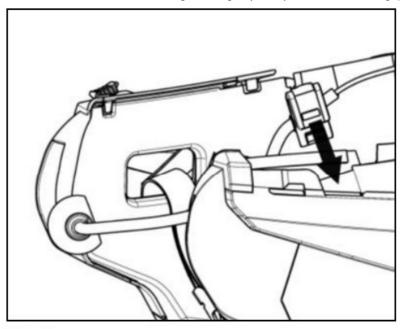


Fig. 8

• Position the microphone in the housing on the right of the helmet, inserting the boom pole of the microphone in the groove found in the chin guard coupling frame (Fig. 9). Caution: make sure that the side of the microphone supports the writing "n" is facing inward.

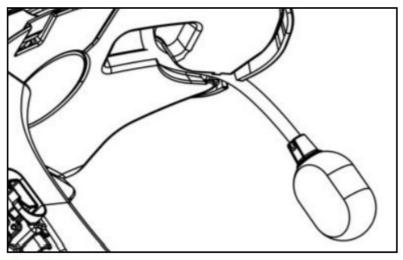


Fig. 9

- N.B.: For positioning of the keypad in helmets N87, N80-8 N100-5, N100-6, and N120-1, follow the instructions provided in the dedicated box.
- Fix the cable inside the helmet.
- Reassemble the gasket and secure it with the specific screw.

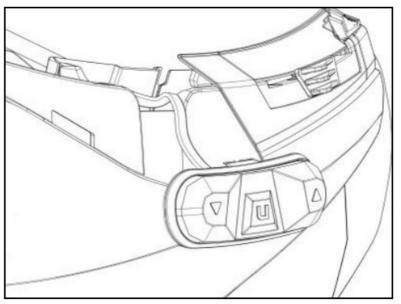


Fig. 10

ONLY FOR HELMET N100-5, N100-6, N120-1 – positioning of wiring and microphone

Positioning the right side wiring and the microphone:

- Lift up the plastic lining of the cheek padding (Fig. 11).
- Insert the microphone into the eyelet (Fig. 12) and position it in the special housing, then insert the boom pole of the microphone in the groove found in the chin guard coupling frame (Fig. 13).

Caution: make sure that the side of the microphone supports the writing "n" is facing inward.

- Fix the cable inside the helmet and make sure the right fixing clip snaps into its housing (Fig. 14).
- Reposition the plastic lining of the cheek padding, arranging it behind the two small stop hooks (Fig. 15).

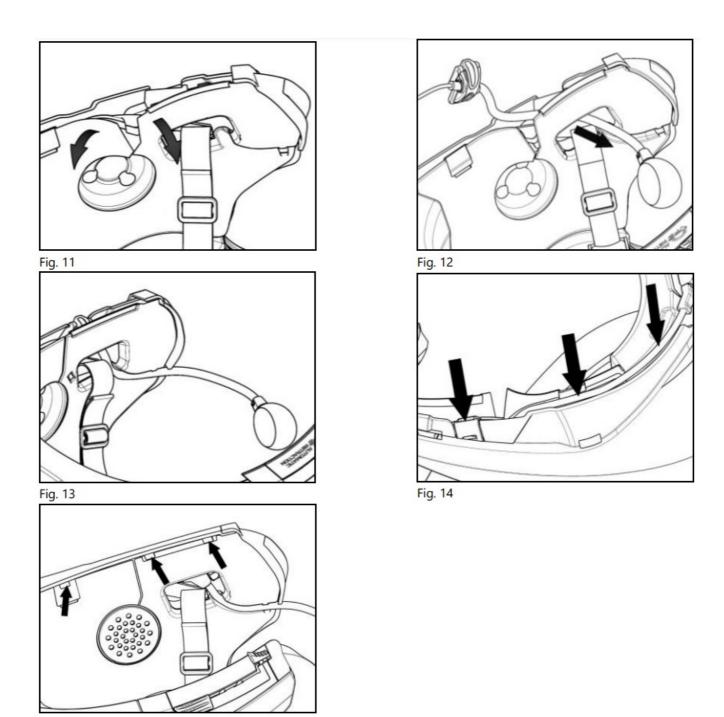
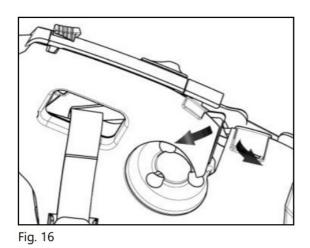


Fig. 15

• ONLY FOR HELMET N100-5, N100-6, N120-1 – positioning of wiring and microphone

Positioning the left side wiring:

- Lift up the plastic lining of the cheek padding (Fig. 16).
- Fix the cable inside the helmet.
- Reposition the plastic lining of the cheek padding, arranging it behind the two small stop hooks (Fig. 17).



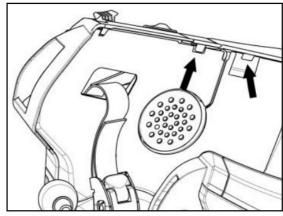


Fig. 17

FOR N87, N80-8, N100-5, N100-6 AND N120-1 HELMENTS ONLY – positioning the keypad **Important**: Installation of the keypad on the N87, N80-8, N100-5, N100-6, and N120-1 helmets requires the use of the "KEYPAD ADAPTER" accessory, which is included in the package.

THE LETTER ON THE ADAPTER	COMPATIBLE HELMETS
В	N100-5/PLUS, N87/PLUS
D	N80-8
F	N120-1
G	N100-6

- Insert the support specific to your helmet in the cable of the keypad (Fig. 18).
- Rotate the keypad support to position it like in Fig. 19, then hook it to the keypad (Fig. 20).
- Fix the cable inside the helmet.
- Reassemble the gasket and secure it with the specific screw. N.B. for N120-1 and N100-6 helmets: tighten all three screws and reattach the cap on the right side of the rim seal on the shell.
- Hook up the keypad to the helmet by clicking in the relevant hooks (Fig. 21).
- The proper positioning of the keypad is illustrated in Fig. 22.

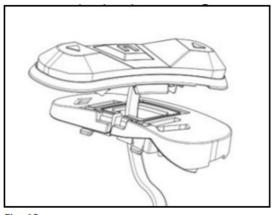


Fig. 18

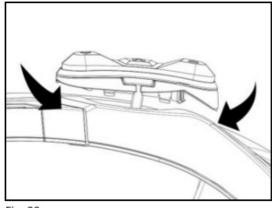


Fig. 20

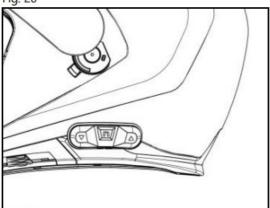
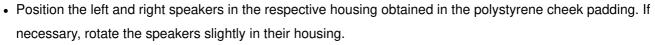


Fig. 22



• Reassemble the padding.

Adjusting the microphone

The B101 system makes it possible to adjust the position of the microphone in order to facilitate its positioning in the different helmet models. Proceed as follows:

- Open the clip positioned on the microphone boom, operating as indicated in Fig. 23.
- Adjust the microphone (Fig. 24).
- Close the clip (Fig. 25).

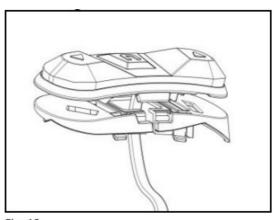


Fig. 19

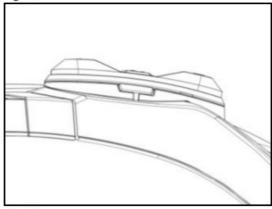
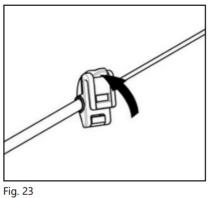
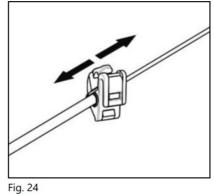
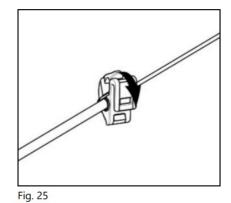


Fig. 21





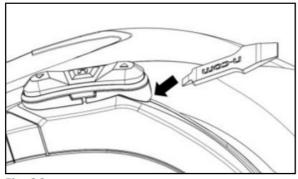


• To ensure good voice transmission quality, it is recommended to position the microphone sponge at the side of

Removing the B101 system from the helmet

- Proceed as follows to remove the B101 system from the helmet:
- Remove the cheek padding and the shell gasket.
- Remove the keypad from the shell.

your mouth.





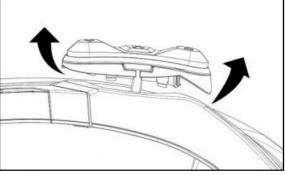


Fig. 27

- Unhook the right clip from the shell, levering upward using a flat head screw (or a similar tool), as shown in Figure 28.
- Completely remove the B101 system from the helmet using a flathead screwdriver (or similar tool) and re-install the cheek padding and the edge gasket.

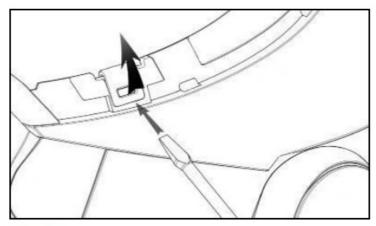


Fig. 28

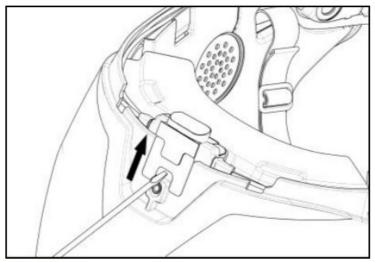


Fig. 29

BASIC FUNCTIONS

Note: Before using the N-Com device for the first time, recharge the battery completely for at least 10 hours. To
obtain the best performance from the battery, it is recommended to completely recharge the battery the first few
times. Afterward, you can recharge the battery for shorter periods. Whenever possible, it is best to recharge the
battery completely.

System ON	Press and hold the " n " key for about 2 seconds, until the LEDs turn on.
System OFF	Press and hold the " n " key for about 4 seconds, until the LEDs turn off.

Volume adjustment

You can easily adjust the volume by tapping the " or the " key. You will hear a beep when the volume reaches the maximum or minimum level.

N. B.: The volume level set during the trip is not stored when the system is turned off. Each time the N-Com

system is switched on, the audio goes back to the set default volume level.

Auto Off function

The Auto Off function automatically shuts down the N-Com system after five minutes without an active Bluetooth connection (telephone, GPS, motorbike audio system, etc).

PAIRING UP BLUETOOTH DEVICES

In order for the B101 system to be connected to another Bluetooth device, the latter needs to be first paired up with the N-Com system. The pairing-up procedure is the same for all Bluetooth devices: mobile phones, MP3 Bluetooth players, satellite navigators, etc.

- Make sure the B101 is turned off.
- Put the system in "Pairing" mode: press and hold the "n" key for 4 seconds, until the LEDs start to flash quickly and you hear a sharp beep in the headset.
- Activate the search of Bluetooth devices on the device (smartphone, GPS, MP3 player).
- Select the N-Com device. If a password is requested, enter 0000 (four zeros).
- The connection between the two devices is established after a few seconds.
- N.B.: The affiliation is stored in the helmet and in the cell phone and it is not lost when the two devices are turned off. As a result, it needs to be carried out only once.
- NB: Where several devices are paired to the N-Com system, the system will store these pairings in its memory.
 When switched on, the N-Com system will automatically pair with the most recently-connected Bluetooth device.

Automatic Connection	Once the Bluetooth device has been paired, the connection is automatic when the system is turned on.
Manual Connection	In case a connection is not automatically initiated after a few seconds, you can c onnect from the Bluetooth device or by pressing and holding the " n " key for about 2 seconds.

MOBILE PHONE

To pair a mobile phone to the B101 system, follow the procedure illustrated in Chapter 5.

Answering a phone call	Briefly press any key when you hear the incoming call signal.
Voice assistant	Press and hold the " n " key for about 2 seconds.
Hanging up/rejecting a phone call	Press and hold the " n " key for about 2 seconds.
Redial last number	Press the " and " keys simultaneously.
Transferring call in progress	During the call, press the " and " keys simultaneously for 4 seconds. The call will be transferred from the helmet to the telephone.
Manual phone connection	Press and hold the "n" key for about 2 seconds.
Manual phone disconnection	Press the " and " keys simultaneously for 4 seconds.

MUSIC VIA BLUETOOTH

To pair a mobile phone or an Mp3 device to the B101 system, follow the procedure illustrated in Chapter 5.

Play music (Play)	Briefly press " n ".	
Pause function (Pause)	Briefly press "n".	
Next track (Skip)	When the player is connected and playing music, press and hold the " key for about 2 seconds.	
Previous track (Rew)	When the player is connected and playing music, press and hold the " key for about 2 seconds.	

GPS SATELLITE NAVIGATOR

The B101 system is compatible with the most common satellite navigators for motorcycles. For a list of compatible models and additional details, visit the website www.nolan-helmets.com/n-com To pair a GPS to the B101 system, follow the procedure illustrated in Chapter 5.

BATTERY AND RECHARGE

Low battery signal

During its operation, the system provides the user with an audible alert when the battery is low. From the first alert, the system has one hour of user time. A warning is given every 10 minutes.

Checking the Battery Level

When the system is powered on, the blue LED flashes rapidly indicating the battery level.

|--|

Charging the system

To charge the system, connect the system to a charger or USB plug using the USB-C cable supplied.

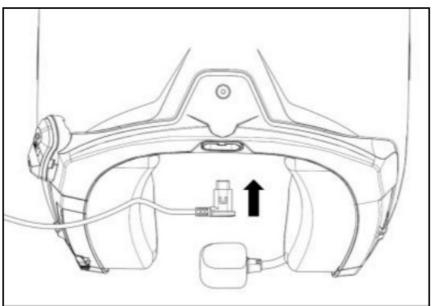


Fig. 30

The charge will take place as follows:

B101 system was turned o ff	When the B101 system is connected to the battery charger, the blue LED starts to flash quickly. When the battery is charged, the blue LED becomes steady.
B101 system turned on	When the B101 system is connected to the battery charger, the blue LED starts to flash quickly. When the battery is charged, the blue LED goes back to its standard flashing.

- N.B.: In case you are not planning on using the N-Com system for a long time, you need to fully recharge the device before storing it away.
- N.B.: In case the device is not used for a long time, carry out a complete recharging cycle of the device at least once every 6 months to avoid possible damage to the battery.
- N.B.: In case the N-Com system is left for more than 6 months without ever being recharged, the device may not switch on; in this case, recharge the N-Com system for at least 24 hours (even if the blue signalling LED is not flashing), then try to switch on the device again

SUMMARY TABLE OF CONTROLS

Key		n	5	6	5 + 6
	Turn On	2 sec			
	Turn Off	4 sec			
Basic F	Increase Volume		x		
unctions	Reduce Volume			x	
	Pairing device*	4 sec			
	Reset pairing**				4 sec
	Answering phone calls***	x	x	x	
	Voice prompt	2 sec			
	Finishing/Refusing Calls	2 sec			
Bluetoot	Redial last number				х
Devices	Transferring call in progress				4 sec
	Manual device connection	2 sec			
	Manual device disconnection				4 sec

	Play Music	х			
Bluetoot	Pause music	x			
h Music	Next track (Skip)		2 sec		
	Previous track (REW)			2 sec	

- · Starting with the system switched off
- During pairing mode.
- · Press any key on the N-Com keypad.

WARRANTY

With this WARRANTY CERTIFICATE, Nolangroup warrants to the purchaser that the product, at the time of purchase, is free from defects in materials and workmanship.

We kindly ask you to:

- Read the warnings for safety and proper use.
- Read the warranty terms and conditions.
- Keep the original purchase receipt. This receipt must be presented in case of repairs under warranty. In these cases, the product must be sent to the dealer where the purchase was made.

Warranty coverage and validity

If any defect covered by this Warranty Certificate is detected within the period listed on the website (Support/Instructions Manuals) and based on the country in which the product has been purchased (proof will be the purchase date on the receipt), Nolangroup will repair or replace the defective product through its distribution network and after having verified the defect. Nolangroup will provide all material and labor reasonably necessary to remedy the claimed defect, except in the cases where damage is caused by one of the items listed in the following paragraph "Exclusions and limitations of coverage".

Exclusions and limitations of coverage

This warranty covers only defects in materials and workmanship. Nolangroup cannot be held liable for product defects attributable in whole or in part to any other cause, including but not limited to:

- Defects or damage resulting from use of the Product in conditions other than the usual ones.
- Damage caused by improper use and not in compliance with normal operation as indicated in the instructions
 for use and maintenance of the product provided by Nolangroup.
- Neglect and normal wear and tear of internal and external parts.
- · Any damage resulting from an accident.
- Any modification or tampering made to the helmet or to the N-Com system by the user or third parties.
- Use of incompatible accessories not approved by Nolangroup for the purchased N-Com device model.
- Consumable parts are considered to be subject to wear and tear, such as the rechargeable battery and the

connection cables between N-Com systems and other devices.

- The proper functioning of the product/peripheral device combination when the product is used together with accessories or equipment for which Nolangroup has not verified compatibility.
- All specific and subjective situations that may arise during actual use of the helmet, such as, for example, problems related to comfort while riding or aerodynamic noise.

Under no circumstances shall Nolangroup be liable for any incidental or consequential damages (including, without any limitation whatsoever, injuries to one or more persons) resulting from failure to fulfill the obligations arising from this warranty regarding Nolangroup products.

Procedure for submitting claims

In order to submit any claim covered by this warranty, the purchaser must notify directly the dealer where the N-Com system was purchased of the alleged defect, presenting at the same time the product that is the object of the claim and a copy of the sales receipt.PRIOR TO CONTACTING THE DEALER, WE RECOMMEND THAT YOU CAREFULLY READ THE INSTRUCTIONS FOR USE ENCLOSED WITH THE PRODUCT. THE WARRANTY IS EFFECTIVE EXCLUSIVELY FROM THE DATE OF PURCHASE UNTIL THE PERIOD INDICATED FOR THE COUNTRY WHERE THE PRODUCT WAS PURCHASED - see list available on the website (Support/ Instructions manuals).\ Any repairs or other jobs carried out under warranty do not extend the period of the warranty itself. Hence, in case the product or one of its components is replaced, this does not mean the start of a new warranty period, as the purchase date of the original product will be taken into account for warranty purposes. Only for repairs or replacements of electronic components, if Nolangroup repairs or replaces the product, the product will have a warranty period equal to the remaining part of the original warranty or ninety (90) days from the date of repair (whichever is longer). Repair or replacement may also be carried out using regenerated components with equivalent functions. Replaced parts or components will become the property of Nolangroup. NOLANGROUP RESERVES THE RIGHT TO CHANGE CHARACTERISTICS, FUNCTIONALITY, COMPATIBILITY, AND SOFTWARE AT ANY TIME, WITH NO NEED FOR ADVANCE NOTICE. This warranty does not affect the customer's legal rights under applicable national jurisdiction and the consumer's rights vis-à-vis the dealer under the purchase/sale agreement.

Product identification

N-Com products are identified by means of a code that allows their traceability and identification. The identification code (S/N) can be found on the adhesive label.

FCC

FOR USA AND CANADA MARKET ONLY: SPECIAL 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 of the device. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment. 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. This model meets the government's requirements for exposure to radio waves. Your wireless device is a radio transmitter and receiver. It is designed and manufactured not to exceed limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government and by the Canadian regulatory authorities. The exposure standard for wireless mobile devices employs a unit of measurement known as the Specific Absorption Rate or SAR. The SAR limit set by the FCC and by the Canadian regulatory authorities is 1.6 W/kg.1.

For the Canada market only:

This EUT is compliant with SAR for general population/uncontrolled exposure limits in IC RSS-247. The N-Com electronic device is positioned at a minimum distance of – see the table below – from the head of the user, therefore no SAR test has been conducted on the product.

N-COM SYSTEM	DISTANCE FROM THE HEAD
B902L R/B902 R	30.00 mm
B602 R	30.63 mm
B101 R	30.63 mm
B902 X	32.50 mm
B602 X	34.50 mm

http://www.nolan-helmets.com/n-com

Documents / Resources



n-com B101R Series Helmet Communication Systems [pdf] Instruction Manual B101R Series Helmet Communication Systems, B101R Series, Helmet Communication Systems, Communication Systems

References

User Manual

Manuals+, Privacy Policy

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