

名称：	TNS-0117说明书
材质：	100g书写纸
尺寸：	展开尺寸：225x150mm 成品尺寸：75x150mm
颜色：	单黑双面印刷 三折页
设计师：	温宇姣 2020. 10. 24
版本号：	KC TNS-0117 2010 V1

User Manual

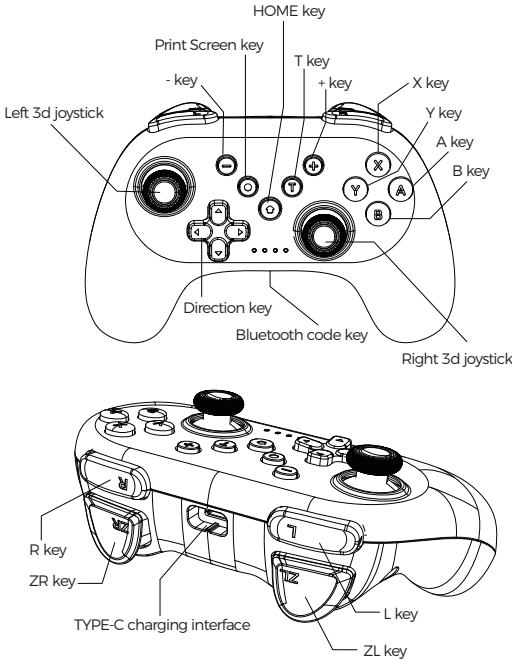
Product No.: TNS-0117

Version Number: A1.1

1 Production Introduction:

this controller is of Bluetooth wireless type, which is mainly used with N-S console. The aisle light of the controller is assigned through the console. This product is available in motor vibration and sensor functions, and it supports the connection to PC console via USB so as to achieve PC XINPUT function.

2 Product Diagram:



Appearance patent number: 202030476822.3

3 Function Diagram:

Function Name	Is there a function?	Remarks
USB wired connection	Yes	
Bluetooth connection	Support	
Connection mode	N-S PC mode	
Six-axis gravity induction	Yes	
A key	Yes	
B key	Yes	
X key	Yes	
Y key	Yes	
- key	Yes	
+ key	Yes	
L key	Yes	
R key	Yes	
ZL key	Yes	
ZR key	Yes	
Home key	Yes	
Print Screen key function	Yes	
3D joystick (left 3D joystick function)	Yes	
L3 key (left 3D joystick press key function)	Yes	
R3 key (right 3D joystick press key function)	Yes	
Cross key function	Yes	
TURBO speed regulation function	Yes	
Connecting indicators	Yes	
Motor vibration intensity adjustment	Yes	
Controller upgrade	Support	

4 Mode and Pairing Instruction:

- 1. N-S wired connection mode:
(1)Before use the wired connection, please confirm the N-S console system: "set up" -> "controller and inductor" -> "wired connection of Pro controller" in "on" state.
(2)The controller is connected to the N-S base via USB cable so as to be used as the wired controller, and the corresponding indicator light of the controller will flash slowly; when you plug out the USB cable, the controller turns into wireless mode and connect the console automatically!
- 2. N-S wireless connection mode:
(1)Before use the wireless connection, please confirm that the N-S console system turns to: "controller" -> "change grip/order" in pairing state.
(2)Long press the code key of the controller for 3 seconds to enter into Bluetooth search mode, and the LED indicator light will flash in marquee type. The corresponding channel indicator light will be on after successful connection.
- 3. PC-360, PC mode:
Firstly, please download the PC 360 to Windows computer. After the PC 360 is installed, the controller should be connected to the computer via USB cable, and the corresponding channel indicator light will be on after successful connection. The LED2 and LED3 will be on when the No.1 and No.10 keys are pressed simultaneously to switch to PC mode.
- 4. Back connection and shutdown instruction:
(1)Short press the Bluetooth code key to shutdown the controller.
(2)Press Home to wake up the controller. The awakened controller will automatically back connect the console which has been paired previously; it will switch to auto sleep if the back connection is not successful within 8 seconds.

5 Charging Indication and Charging Characteristics:

During the charging of the controller: the charging LED indicator light will be on, and it will be off after the controller is fully charged.

6 Auto Sleep:

- Connect N-S mode: the N-S console screen is off or shut down, and the controller automatically disconnects and switch to sleep mode.
- Bluetooth connection mode: the Bluetooth disconnects and switches to sleep mode after the Bluetooth code key is pressed shortly.
- Without any keys pressed within 5 min, it will switch to auto sleep mode (including gravitational induction immobility). Remarks: there is no auto sleep currently.

7 TURBO Function Settings:

- Semi-automatic TURBO function setting: press TURBO key and then set it as the TURBO function key as required, then you can complete the settings successfully.
- Full-automatic TURBO function setting: press TURBO key and then press the key which has been set up with the semi-automatic TURBO function.
- Keys available for TURBO function settings: A key, B key, X key, Y key, + key, - key, L key, R key, ZL key, ZR key, "cross" key (up, down, left and right), L3 key (left 3D joystick press key) and R3 (right 3D joystick press key).
- Clear TURBO function keys that have been set:
- Clear TURBO function of single key: press TURBO key + key set up with TURBO function for quick clear.
- Shut down the automatic firing function: you should short press the - key and down arrow key once, and the controller will vibrate once to execute the command, then the automatic firing function of all keys will be turned off.
- Regulation methods of automatic firing speed:
- A. Increase automatic firing speed: short press T key and up arrow key once, and the controller will vibrate once to execute the command, which means that the automatic firing speed has been up regulated by one gear successfully.
- B. Reduce automatic firing speed: short press T key and up arrow key once, and the controller will vibrate once to execute the command, which means that the automatic firing speed has been down regulated by one gear successfully.
- C. The automatic firing function is memorable. If the console is connected after the controller is disconnected, the automatic firing speed set up previously can be memorized.

8 Motor Vibration Regulation:

- 3 gears in total: weak, intermediate and strong (the changed amplitude is 40%, 70% and 100%) regulation methods:
- Lowest gear (40% amplitude): press 4 L/ZL/R/ZR keys on the side for 1 sec simultaneously, then the regulations is successful.
 - Intermediate gear (70% amplitude): press 4 L/ZL/R/ZR keys on the side for 1 sec simultaneously, then the regulations is successful.
 - Top gear (100% amplitude): press 4 L/ZL/R/ZR keys on the side for 1 sec simultaneously, then the regulations is successful.
 - The intermediate gear of controller vibration is acquiescently connected for the first time, i.e. 70% amplitude.

9 USB Connection Function:

- The wired N-S and PC XINPUT mode connection is supported.
- It is automatically identified as N-S mode when connected to N-S console.
- It is in XINPUT mode when connected to PC.

10 Electrical Parameters:

Item	Reference value
Working voltage	DC 3.6-4.2V
Working current	24mA
Sleep current	22.5uA
Vibration current	82 mA-130 mA
Input power	DC 4.5-5.5V/400mA
Battery capacity	500mAh
Operating distance	10m

Note: the above are test data of battery voltage 4.10V

11 3D Joystick Instruction:

- The 3D joystick is not required to be calibrated manually on N-S console. The 3D joystick will be calibrated automatically when the N-S console is plugged.
- If the 3D joystick drips during use, please replug and unplug the controller before use. Be careful not to touch the 3D joystick when you plug and unplug the controller.

12 Gyroscope Calibration Instruction:

Enter into the "N-S console setting - controller and inductor - calibration of gyroscope inductor" for controller test and calibration; place the controller horizontally on the desktop and long press + or - for calibration.

13 Controller Upgrade Instruction:

- If this product cannot be used due to system compatibility and other reasons, please contact the customer service provider to provide program: install the upgrade package to upgrade.
- Specific operation: plug the controller into the computer first, then press the X+Y+HOME for 3 sec to enter into the upgrade mode; and then open the Program.exe software, click update firmware to upgrade, and wait for the prompt for successful update.

14 Matters Needing Attention:

- This product should be well kept when not in use.
- This product cannot be used and stored in humid environment.
- This product should be used or stored by avoiding dusts and heavy loads to guarantee its service life.
- Please do not use the product which is soaked, crashed or broken and with electrical performance problems caused by improper use.
- Do not use external heating equipment such as microwave ovens for drying.
- If it is damaged, please send it to the maintenance department for disposal. Do not disassemble it by yourself.
- Children users shall use this product properly under the guidance of parents, and do not be addicted to the game.

FCC Caution:

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.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: 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. 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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.