

NGC 手柄唤醒功能操作说明

V1.0 (2023-02-21)



1. 有线/蓝牙配对模式

- (1) 有线引导蓝牙对频功能，手柄通过 USB 线连接 switch 主机(使用 USB 有线连接手柄时需在 SWITCH 主机设置界面里设置：Pro 手柄有线连接开关处于开启状态)，拔下 USB 线，按任意键手柄自动蓝牙连接 SWITCH 主机；
- (2) 待机状态，长按“对频”键 3 秒，手柄进入与主机蓝牙配对状态，通道 LED1-4 状态为流水灯亮，开机状态，短按“对频”键，手柄待机；
- (3) 首先确认手柄已经连接上过主机，在 switch 主机熄屏时，按下手柄“HOME”键可以唤醒主机；自动识别 Switch 主机，连接成功后，灯常亮(有 4 个通道灯)。
- (4) 蓝牙模式可以连接 Switch 或 PC，操作模式一样，Stream 可用，体感可用。
- (5) 安卓模式:A+home，进入蓝牙配对模式，通道 LED2 灯闪烁，连接成功后，灯常亮；
- (6) IOS 模式:Y+home，进入蓝牙配对模式，通道 LED3 灯闪烁，连接成功后，灯常亮；(注需用 XOBX 协议)
- (7) 在 D-I-N-P-U-T 模式下的蓝牙名称“Gamepad”

注:所有蓝牙模式连接成功后(包括回连)，手柄震动一下，提示连接成功

2. 回连模式

如果 SWITCH 主机在休眠状态下(非飞行模式下)，短按 HOME 键可以唤醒主机，并自动连接与之配对的主机(回连时 LED 灯慢闪)，回连不成功 1 分钟后则自动休眠；其他按键不做唤醒手柄。

3. 自动休眠

主机屏幕关闭，手柄自动休眠

5 分钟之内没有任何按键按下则自动休眠(包括感传器不动)。(时间可以依据需求调整)

长按 HOME 键 5 秒关机，断开与主机连接，手柄休眠。(时间可以依据需求调整)

4. 充电指示

插入适配器，橙灯长亮 (Type-C 接口旁)，充满电后，橙灯熄灭。

5. 低电压报警

如果锂电池电压低于 $3.55V \pm 0.1V$ 则通道灯快闪提示电压低；(电压可以依据需求调整)

如果锂电池电压低于 $3.45V \pm 0.1V$ 则自动休眠；(电压可以依据需求调整)

6. USB 有线模式

自动识别 Switch 平台、PC 平台、安卓平台。

PC 平台下默认自动识别为 X-INPUT 模式，可以同时长按‘+’键‘-’键 3 秒切换 X-INPUT 和 D-INPUT 模式，连接上手柄震动一下；自动识别 Switch 与安卓平台为手柄震动一下；

7. 手柄硬件复位

手柄 USB Type-C 旁边对频按键短按一下硬件复位。

8. Turbo 和 AUTO TURBO 功能

1, 任何模式下

按下(第一次) A/B/X/Y/L1/L2/L3/R1/R2/R3 键与 Turbo 键可设置 Turbo 功能, 手柄震动一下;

再次(第二次) 按下 A/B/X/Y/L1/L2/L3/R1/R2/R3 键与 TURBO 键即实现 AUTO TURBO 功能, 手柄震动一下; (如:A 键设置了 AUTO TURBO 功能后, 不是一直发送键值, 需再按一次 A 键开启 AUTO TURBO, 再按一次 A 键关闭 AUTO TURBO);

再次(第三次) 按下 A/B/X/Y/L1/L2/L3/R1/R2/R3 键与 Turbo 键可清除单一按键的 Turbo 功能

Turbo 速度为 12 次/秒;

先按住 Turbo 键 3S 以上再按减号键, 清除所有按键的 Turbo 功能, LED 恢复当前模式指示灯;

按住 turbo, 右摇杆上下控制调节, 三档分别为 20 次/秒, 12 次/秒, 5 次/秒, 出货默认 12 次/秒, 记录用户最后一次调节)

9. 振动调节

组合键: 先按住 TURBO 键, 再按加号键为增加, 减号键为降 (20% 40% 70% 100% 0% 出货首次默认 70%, 记录用户最后一次调节) 调节振动强度时对应强度振一下。

10. 手柄固件升级

(1) USB 连接方式升级: 在电脑上启动最新的固件升级软件, 按压住手柄左摇杆 L3 键, 然后插入 USB 数据线, 待电脑检测到升级手柄, 升级按钮由灰色转为黑色后点击固件升级, 弹出对话框点确认即可, 升级中保持数据线连接稳定, 数秒后完成升级。

(2) 连接手机 APP (OTA 升级): 手柄与手机通过蓝牙时, 使用专用 APP 工具 KeyLinker 的“固件升级”菜单项升级手柄。

NGC 手柄电气参数:

工作电压: 3.3V-4.2V (锂电池供电)

工作电流: 15-20mA 左右

充电电压: DC +5.0V

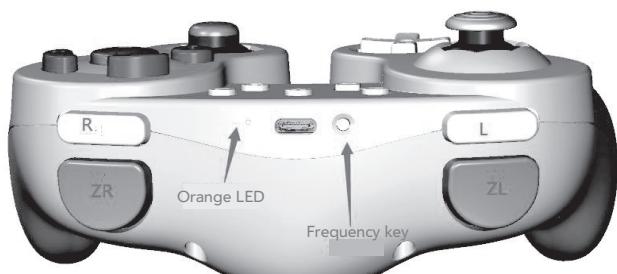
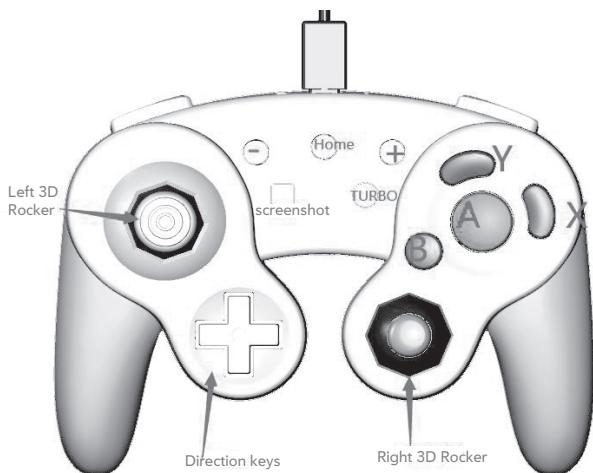
充电电流: 250mA-300mA

马达震动电流: 150mA 左右

手柄睡眠电流: 2uA 左右

NGC Operating instructions for the handle wake-up function

V1.0 (2023-02-21)



1. Wired/Bluetooth pairing mode

(1) Wired guided Bluetooth frequency pairing function, with the handle connected to the switch host through a USB cable(When using a USB wired connection handle, it is necessary to set the Por handle wired connection switch in the Switch host settings interface to be turned on.),Unplug the USB cable,Press any key handle to automatically connect to the SWITCH host via Bluetooth

(2) In standby mode, press and hold the "frequency matching" button for 3 seconds to enter the Bluetooth pairing mode with the host, Channel LED1-4 status is running light on, Power on status, short press the "frequency control" button, and the handle will be in standby mode:

(3) Firstly, confirm that the handle has been connected to the host. When the switch host shuts down, Press the 'HOME' button on the handle to wake up the host;Automatically recognize the switch host, and after successful connection, the light remains on (with 4 channels)

(4) The Bluetooth mode can be connected to a Switch or PC, and the operating mode Stream is available, providing a sense of body

(5) Android mode: A-home, enter Bluetooth pairing mode, channel LED2 light flashes, and after successful connection, the light remains on

(6) IOS mode: Y+home, Entering Bluetooth pairing mode, channel LED3 light flashes, and after successful connection, the light remains on ; (Note that XBOX protocol is required)

(7) Bluetooth name "Gamepad" in D-INPUT mode

Note: After all Bluetooth modes are successfully connected (including reconnection), the handle vibrates to indicate successful connection

2. Reconnect mode

If the SWITCH host is in sleep mode (not in flight mode), short pressing the HOME key can wake up the host And automatically connect to the paired host(LED light flashes slowly during reconnection), After 1 minute of unsuccessful reconnection, other buttons will automatically not wake up

3. Auto sleep

The host screen is turned off, and the handle automatically sleeps

Automatically sleep if no buttons are pressed within 5 minutes (including sensor not moving)(Time can be adjusted according to demand)

Long press and hold the HOE key for 5 seconds to shut down, disconnect from the host, and the handle will sleep (Time can be adjusted according to demand)

4. Charge indicator

Insert the adapter, the orange light remains on (next to the Type-c interface), and when fully charged, the orange light goes out

5. Low voltage alarm

If the voltage of the lithium battery is lower than $3.55V \pm 0.1V$, the channel light flashes quickly to indicate low voltage (Voltage can be adjusted according to demand)

If the voltage of the lithium battery is lower than $3.45V \pm 0.1V$, it will automatically sleep (Voltage can be adjusted according to demand)

6. USB wired mode

Automatically recognize Switch, PC, and Android platforms

Under the PC platform, the default automatic recognition is in the X - Input mode, You can simultaneously press and hold the '+' and '-' keys for 3 seconds to switch between X - and D - input modes, Connect the handle and vibrate it to automatically identify the switch and Android platform as the handle vibrates

7. Handle hardware reset

Short press the frequency button next to the USB Type-C handle to reset the hardware.

8. Turbo and AUTO TURBO functions

1. Any mode

Press (first time) A/B/X/Y/L1/L2/L3/R1/R2/R3 keys and Turbo key Turbo function can be set
Shake the handle;

Press again (second time) A/B/X/Y/L1/L2/L3/R1/R2/R3 keys Press the A/B/X/Y/L2/L3/R1/R2/R3 key and TURBO key to achieve the AUTOTURBO function, Shake the handle; (For example, after setting the AUTOTURBO function on key A, the key values are not always sent, You need to press the A key again to turn on AUTO TURBO, and press the A key again to turn off AUTO TURBO

Press again (for the third time) to enable A/B/X/Y/L1/L2/L3/R1/R2/R3 Key and Turbo key can clear the Turbo function of a single button

Turbo speed is 12 times/second;

Press and hold the Turbo key for more than 3 seconds before pressing the minus key, Clear the Turbo function of all buttons, and the LED returns to the current mode indicator light;

Press and hold turbo, and control the adjustment of the right joystick up and down, The three gears are 20 times/second, 12 times/second, and 5 times/second, respectively, Shipping default 12 times/second, Record the user's last adjustment)

9. Vibration regulation

Combination key: Hold down the TURBO key first, then press the plus key to increase, and the minus key to decrease (20% 40% 70% 100% 0% Default 70% for the first shipment, recording the user's last adjustment) When adjusting the vibration intensity, vibrate according to the corresponding intensity

10. Handle firmware upgrade

(1) USB connection upgrade method: Start the latest firmware upgrade software on the computer, press and hold the L3 key on the left joystick of the handle, and then insert the USB data cable. After the computer detects the upgrade handle, After the upgrade button changes from gray to black, click on Firmware Upgrade and a dialog box will pop up to confirm, Keep the data cable connection stable during the upgrade, and complete the upgrade in a few seconds.

(2) Connect to mobile app (OTA upgrade): When the handle is connected to the phone through Bluetooth, use the dedicated APP tool KeyLinker's "Fixed Upgrade" menu item to upgrade the handle

Electrical parameters of NGC handle:

Working voltage: 3.3V-4.2V (Powered by lithium batteries)

Working current: about 15-20mA

Charging Voltage : DC +5.0V

Charging current : 250mA-300mA

Motor vibration current : about 150mA

Handle sleep current : about 2uA

FCC Requirement

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

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.

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.