

DZ Bluetooth Mark Button Manual

DZ Bluetooth Mark Button is a hardware device that can communicate with NAUTO's Connected Camera and Smart Cloud System for autonomous driving via Bluetooth Low Energy.

- **Pairing:**

Nauto device (running Android and Nauto App, with BLE support) discovers the Bluetooth Mark Button in the vicinity, and establishes communication with it.

- **Operations:**

1. Once communication is established, user may
 - 1) press the Bluetooth Mark Button once within 2 seconds ('press-once-event');
 - 2) press-once-event press the Bluetooth Mark Button twice within 2 seconds ('press-twice-event');
 - 3) press-twice-event press and hold the Bluetooth Mark Button for 2 seconds or longer ('long-press-event').
2. If user presses Mark Button twice within 2 seconds, the first press down will trigger a 'press-once-event' to be sent, and the second press down will trigger a 'press-twice-event' to be sent. Afterwards, it will start detecting next press event from scratch.
3. If user presses down Mark Button and does not release it until 2 seconds or later, the initial press down will trigger a 'press-once-event' to be sent, and once the button has been pressed down for 2 seconds, it will trigger a 'long-press-event' to be sent. Afterwards, it will wait for the button to be released, and start detecting next press from scratch.
4. When any of the 3 press actions above occurs, the Bluetooth Mark Button sends a corresponding event message to Nauto device to identify the corresponding action.

- **Sleep Mode**

The Bluetooth Mark Button may go into sleep mode if there's no press event, for 2 mins to preserve battery.

- **Waking up from sleep mode.**

There are two ways that the Bluetooth Mark Button can wake up from the sleep mode.

- 1) Bluetooth Mark Button can wake up due to an internal alarmed automatically triggered every 6 hours. When it wakes up this way, it will try to establish connection with Nauto device again, and as soon as the connection is established, it will send a 'heart-beat' with its battery info (e.g. % remaining, voltage, or other ways to indicate battery level)event
- 2) Bluetooth Mark Button can wake up due to a user press. When it wakes up this way, it will try to establish connection with Nauto device again, and as soon as the connection is established, it will send detected 'press-once-event ', 'press-twice-event', or ' press-once-event press-twice-event long' to Nauto device. At least one 'press-once-event' should be sent in this case.press-event

Once Bluetooth Mark Button wakes up, it will not go back to sleep until at least 2 mins later.

When Bluetooth Mark Button is not in sleep mode, it can be discovered by Nauto device and establish connection. Once the connection is established once, the Bluetooth Mark Button can communicate with the Nauto device as long as the Nauto device is not in sleep mode.

When Nauto device is in sleep mode, the Bluetooth Mark Button will not be able to send event to Nauto device, in this case, the event will be dropped by the button

- **Mounting**

DZ Bluetooth Mark Button can easily be placed anywhere in your car. You can attach it on the steering wheel, dashboard, or next to gear shift.

- **Warranty**

DZ warrants the said product to be free from defects in materials and workmanship for 2 year.

If you have any questions, comments or concerns about the said product, please contact :

Email: wjh@szdongzheng.com

FCC Information to User

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 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.

Caution

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

FCC Compliance Information : 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: THE GRANTEE IS NOT RESPONSIBLE FOR ANY CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.