Qblinks Qmote Built-in Button and LED patterns

Introduction

The Qmote comes with several built-in click patterns that do not require the use of the App in order to enable or to configure certain functions listed below:

Built-in Click Patterns

Pattern	What you will see	Comment
6 or more clicks	Phone Find will be triggered	Requires Qmote app to be running in the background
10 Clicks, then HOLD the last (11th) Click for more than 5 seconds (until you can see the LED blinking)	Total factory reset	1. Total factory reset will reset all your configurations, including all settings for different phones, and all Bluetooth exchange keys. 2. To avoid unintended action trigger, the button hold has to happen exactly on the 11th click.
14 Clicks, then HOLD the last (15th) Click for more than 5 seconds (until you can see the LED	Manually switch to the OAD mode	

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blinking)		
OAD (over-the-air upgrade) mode	LED will start to blink	Please refer to OAD Escape for more information

Presenter Mode

When Qmote is connected with Windows 8/8.1, Mac OSX 10.9, or later, it automatically switched to Presenter Mode. On Presenter Mode, the button click is predefined as:

Click Pattern	Action
One-click	Next Page
Two-clicks	Previous Page

* Computer must have Bluetooth 4.x support to use these features.

LED Blinking

To conserve battery power, user should not see the LED blinking under normal circumstances. Here are the scenarios in which the Qmote's LED will blink:

Scenario	Blinking Style
Qmote is not connected, and the button is pushed. The last click pattern is queued and will be sent when the connection established. The queued click pattern can survive for 60 seconds. If the reconnection cannot be established in 60 seconds, queued click pattern is ignored. If there is more than 1 click pattern triggered before Qmote is reconnected, only the last queued click pattern will be registered.	Blinks once when the click pattern is received.
3rd party app controlled. App can	Varies depending on the commands

send a blinking command to have the Qmote blink.	sent from the 3rd party app.
OAD mode	Continuous blinking per 2 seconds. Once the OAD Firmware Upgrade sequence starts, the LED blinks stop.

OAD Escape

OAD mode allows Qmote to accept the Over-The-Air Firmware Upgrade. You can use Qmote OAD software or the special build-in click pattern to make Qmote enter the OAD mode. Once Qmote enters the OAD mode, all the standard Qmote functions will terminate. User must either run the Qblinks Qmote OAD App to send the firmware, or initiate the OAD Escape sequence to switch modes and resume standard Qmote functions.

There are two ways to enter Qmote, either by App software or by holding the button and reconnecting the battery. Once Qmote enters the OAD mode, you can see the LED blinking continuously.

There are three ways to initiate the OAD Escape

1. If OAD firmware upgrade sequence is not started in 180 seconds, OAD Escape will be initiated automatically.

2. Four seconds after OAD mode is entered, If OAD firmware upgrade sequence has not been started, hold the button for more than 2 seconds. This will initiate the OAD Escape.

3. Four seconds after OAD mode is entered, if the OAD firmware upgrade sequence has started, hold the button for more than 6 seconds. This will initiate the OAD Escape. HOWEVER, if firmware is not legitimate or complete, Qmote will re-enter the OAD mode until the firmware upgrade sequence is completed. Leave the OAD mode uncompleted will cause the battery exhausted.

Revision History

V1.0/2015-JUN-18

    Initial Draft

V1.1/2016-FEB-02

  Revised for firmware version 2.09

V1.2/2016-AUG-15

  No more hold-to-trigger find phone

  iOS soft keyboard recall is not needed anymore

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