Bluetooth vPedal Specifications

1 Modes

The bluetooth vPedal has two modes which are GamePad mode and Keyboard mode, those two modes are switchable with a key (K2). Default and reset mode is GamePad. Keyboard mode is optional.

There are two submodes under Gamepad mode: vPedal mode and alternate mode, the two modes are switchable with a key (K3)

1.1 GamPad Mode

1.1.1 vPedal Mode

Keys	Value
Left	1
Center	1 + 2
Right	2

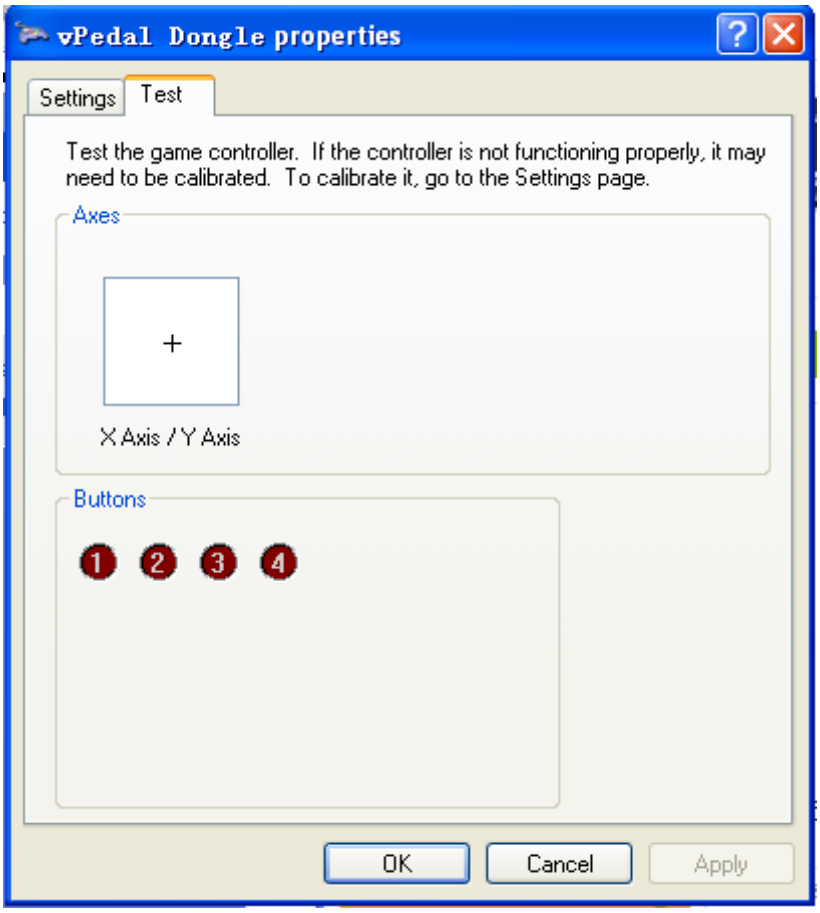
Table 1: Value of keys in vPedal mode.

1.1.2 Alternate Mode

Keys	Value
Left	1
Center	2
Right	3

Table 2: Value of keys in Alternate mode.

1.1.3 Test Interface at the PC



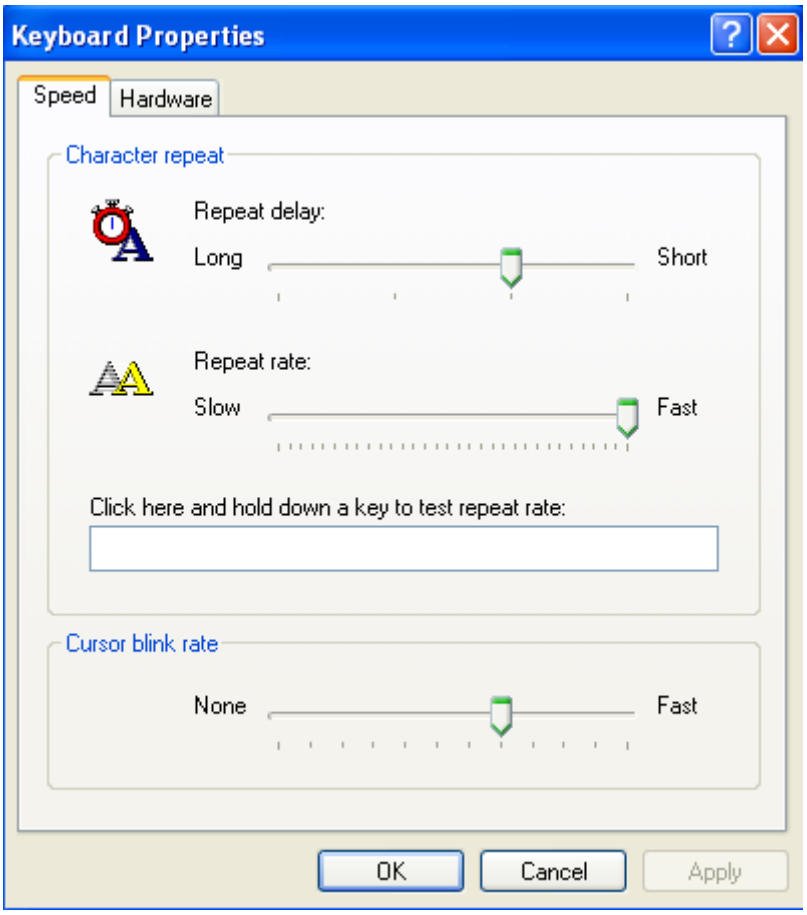
1.2 Keyboard Mode (Optional)

1.2.1 Key Arrangement

Position	Left	Center
1	PGUP	PGDN
2	←	→
3	↑	↓
4	M_Left	M_Right
5	Space	Enter

Table 3: Value of keys in Keyboard mode.

1.2.2 Test Interface at PC



Apart from the above test interface, the keyboard functions can be tested with an opened Notepad where the key values (actions) will be executed in the text.

2 Hardware Requirements

2.1 Keys

Besides the major function keys (left, center and right using Omron micro switch), the additional keys are:

1) Power on key (K1) – sliding switch at the bottom
2) Mode switch key between Gamepad mode and Keyboard mode (K2) – sliding switch
3) Mode switch key between vPedal mode and alternate mode (K3) – sliding switch
4) Reset button (K4) – push botton
5) LEDs switch on/off control key (K5) – push button
6) Position keys (S1, S2, S3, S4, S5) -- push button

2.2 LEDs

1) Power indication LED (Green) – 1 LED near the Power-on key (K1)
2) Keyboard position indication LED (Green) – 5 LEDs beside the S1~S5

3) Low battery indication (Red) – 1 LED at the top pannel, normally off, turn on when the battery is low.

3 Materials

1) Powered by removable AA batteries
2) All components are ROHS compliant
3) 3 x microswitches for Left/Center/Right MUST be high quality (Omron VX – 5 1A or its equivalent) – Data sheet is attached
4) The Nuts that are used to secure the switches in place are to have a small amount of a locking compound to ensure the nuts don't drop off during operation.
5) vP-4 BTPC – 2014040 + CE + FCC + C – tick image is to be stenciled on the bottom of the pedal
6) EN13808 + ROHS be stencilled onto the bottom of the vPedals (in the cut out area of the grey backing)
7) An install cd is to be included in each
8) A copy of the Declaration of Conformity for FCC + CE + C Tick document is to be place in the box with each pedal & the barcode label on the outside of the box.

4 ID Design

The ID is to be redesigned with a new moulding, the detailed ID design pictures are to be provided for customer confirmation after this specification is signed and the funding has been made.

FCC STATEMENT :

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.
Warning: 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.

RF warning statement:

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