

FelTouch Magic

User's Manual

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Introduction

FelTouch Magic is a wireless remote input device for computers, tablet PC and other TV connected media center products including iPad, Apple Mac, PCs running Windows or Hanson's SurBox Smart TV box.

- True multi-touch touchpad as keyboard, mouse.
- For tablet PCs, computers and home media boxes.
- Sleek design.
- Touch gestures to control multimedia features.
- Bluetooth 3.0 wireless communication.
- Capacitive touch technology, 168 (mm) x 96 (mm) wide touch panel.
- Backlit keyboard.
- Sound echo and vibration feedback (Haptics) to improve keyboard input.
- Function side buttons – Connect and Mode buttons.
- Built-in rechargeable battery powered.

Getting Started

Product package

- The product package includes
- FelTouch Magic touchpad
 - USB cable (to mini USB connector)
 - User’s manual

Front, Back and Side views



① Right [M] button	⑥ G-sensor switch	⑪ Windows support	⑯ Power socket
② LED Blue	⑦ Sound echo switch	⑫ Pointing mode	⑰ Mouse active
③ LED Red/Green	⑧ Vibration switch	⑬ Keyboard mode	⑱ Mouse left button

④	Left [C] button	⑨	Android support	⑭	Multimedia mode	⑲	Handwriting
⑤	Backlight switch	⑩	Mac OS support	⑮	Power switch	⑳	Mouse right button

Touch active panel



This product is built by a high sensitive capacitive touch panel, 168x96 mm in size, as a touch gesture, pointing and keyboard input.

Touch area allows up to five points recognized at the same time, can be used for multi touch gestures, faster input and combined key inputs, such as CTRL-C.

Notification LED

There are two LED indicators located on left-top side of the product – one with blue color and the other one is green or red color depends on the events occurred.

- When power is ON, the blue led indicator will be turned on. (The backlight is also on when powered on, and remain around 10 seconds.)
- When [C] button is pressed, Bluetooth connection request will be activated, and LED Blue will flash slowly to indicate this state.
- Once the Bluetooth connection is established, the LED Blue will be turned off.

- In the case of successful keyboard input or touch gesture, LED Green will flash one time shortly.
- If system detects a battery low status, it will flash LED Blue quickly.
- When external power source is connected, LED will show red color, until battery is fully charged.

Side [Connect] and [Mode] buttons

[C]: Bluetooth Connect button: While Bluetooth is not connected, press this button will activate Bluetooth connect request, to broadcast itself for other devices to find and pairing. In power-saving mode, this key is to wake up key.

[M]: Mode button: Press this button and mode switch keys at the same time to change the operation modes. The operation modes can be divided into 1) the supported operating systems, 2) function modes. To adjust to right operating system in connection, this product is able to optimize touch gestures applying to specific OS functions. Function modes include keyboard, mouse, multimedia, backlit switch, g-sensor switch, sound echo and vibration switches.

Pairing a Bluetooth connection

While Bluetooth is not connected to a host device, press the Connect [C] button, Bluetooth will start to make it discoverable to other devices. LED indicator will flash blue slowly, and other devices will be able to find it as a keyboard with the name of 'FeITouch Magic'.

Through pairing process, host device will require a pairing PIN code in display for the keyboard to enter. After entering this correct PIN code, and press [Enter], this completes the pairing process, and will see 'Connected' status change from host device.

Power switch and power standby mode.

Power switch is on left side, labeled as ON and OFF. Move it up and down to turn off or on the power.

If the power is turned on, and does not use more than 10 minutes, it will automatically enter power-saving mode to save power. In the power-saving mode, [C] button can be used to wake up this device, and enter into normal operation mode.

Keyboard backlight

To improve lighting in a weak light use environment, this product has backlight to backlit keyboard layouts.

If user wants to turn off this function, press [M] and the backlit switch key together will turn off this function, or turn it on again.

Gravity sensor

This product is also equipped with a gravity sensor function. This function can be turned on to move the mouse cursor, or to act as a gesture action for device controls.

This function is disabled in default.

If user wants to turn on this function, press [M] and the g-sensor switch key together will turn on it, or turn it off again.

Sound echo

Sound echo is used to assist user to input from keyboard.

If user wants to turn off this function, press [M] and the g-sensor switch key together to turn it off, or turn it on again.

Vibration feedback (Haptics)

To assist user from touch use, this device vibrates to react touch or keyboard inputs.

If user wants to turn off this function, press [M] and the vibration switch key together to turn it off, or turn it on again.







Battery low and power charging





When the battery power is detected low, LED Blue will flash fast to indicate this status.

The power socket, located on left side of the device, needs to be connected to external power source (normal it is a USB source) to start charging.

LED will indicate red color if external power source is detected, and the LED Red will turn off once charging is finished.

Touch actions

Touch action		Action's description	Meaning of the action
Single finger touch and move		A finger touches the surface of touch active area, and move.	To move mouse cursor position in mouse pointing mode.
Three fingers touch and move		Three fingers touch the surface of touch active area, and move.	In mouse pointing mode, it means the mouse left button is pressed to select and move object.
Tap and Double tap		Fast tapping the touch area.	Mouse Click action. Tap twice also trigger mouse Double Click action.
Two finger touch and move		Two fingers touch and move in parallel - vertically or horizontally.	Mouse scrolling wheels. To scroll up and down when browsing. In Media control mode, forward or backward to next track.
Pinch		<ol style="list-style-type: none"> Two fingers touch the touch active area at the same time. Bring two fingers closer together. 	Pinch is mainly for web browser environment, to zoom-in. IE Above 8.0 is required for Windows. OS mode (Windows or Android) should match to the actual host device, in order to take a correct effect.
Spread		<ol style="list-style-type: none"> Two fingers touch the touch active area at the same time. Start with two fingers keep close with each other. 	Spread is mainly for web browser environment. IE Above 8.0 is required for Windows. OS mode (Windows or Android)

		3. Move and separate two fingers from one another.	should match to the actual host device, in order to take correct effect.
Right circle		1. Finger touches the touch active area. 1. Clock-wise draw a circle. 2. And release.	It works as content scrolling down. For Windows, same as mouse wheel down operation. In Media control mode: It is to PLAY/PAUSE media.
Left Circle		2. Finger touches the touch active area. 3. Counter-Clock-wise draw a circle. 4. And release.	It works as content scrolling up. For Windows, same as mouse wheel up operation. In Media control mode: To STOP media play.
Flick		One finger touches the active area and move from left to right horizontally, or top to bottom vertically.	Only work in Media control mode. Move left, right, up, down to browse content index.

Function Buttons

Button		Meaning of the button
Keyboard/ Mouse	[Mouse]	In Keyboard mode, press this key to activate mouse function temporarily. In Pointing mode, press this key to activate keyboard mode temporarily.
Mouse Left Button	[L]	The mouse left button is activated, when this key is pressed.
Mouse Right Button	[R]	The mouse right button is activated, when this key is pressed.
Connect Button	[C]	The Connect button on left side is used to start Bluetooth pairing process.
Mode Button	[M]	Located on right side of the device, Mode button is used to setup device's operation mode and function switches. Operation mode key or function switches pressing together with this button will set, activate or deactivate the selected modes. OS support: Android, Mac OS, Windows Input mode: pointing, keyboard, multimedia Function switches: backlit, g-sensor, vibrating, and sound echo.

Keyboard mode

In Keyboard mode, the touchpad works as a standard keyboard.

In Keyboard mode, the [Mouse/Keyboard] switch key can be used to fast switch to mouse operation, useful for fast toggle between keyboard and mouse operations.

Pointing (mouse) mode

In Point mode, the touchpad works as a mouse pad.

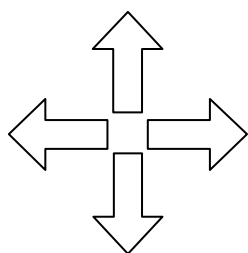
The [Mouse/Keyboard] switch key can be used to fast switch to keyboard operation, useful for fast toggle between keyboard and mouse operations.

Mouse actions are achieved through touch actions:

- [L] for mouse Left button
- [R] for mouse Right button
- Single finger touch and move to move mouse cursor
- Three finger touch and move to select mouse left button and move cursor
- Two finger move in parallel for mouse wheels
- Touch tap for mouse click
- Touch tap twice for mouse double click






Multimedia control mode

In this mode, the product uses touch gestures to perform multimedia controls. As a result, it works for Windows Media Center (WMC) software for multimedia applications, and also companion to iPad or other media players for video/music media controls.



Touch gesture

Touch action		Meanings in media control mode
One finger touch tap		Select the item in browsing
Move two fingers up in parallel		Backward to last item.
Move two fingers down in parallel		Forward to next item.
Zoom in		Audio volume control – down.
Zoom out		Audio volume control – up.
Right circle		PLAY media content. Again to PAUSE it.

Left circle		STOP play media content.
Single finger touch / move, Slide left/right/up/down	   	Navigate among list, to four directions.

Special keys to work with media control mode have:

Button		Function
Back to	[Backspace]	Back to previous screen, in Windows Media Center.

Operation Modes

Change Input mode	Input modes
Press [M] Mode button and operation mode keys – [Pointing], [Keyboard], [Multimedia] to adjust.	Pointing mode: for mouse operation.
	Keyboard mode: for keyboard inputs.
	Multimedia mode: for multimedia controls

Change OS support	Operating Systems
Press [M] Mode button and operation mode keys – [Android], [Mac], and [Windows] to adjust.	Android for SurBox – Android TV product from Hanson.
	Mac OS to support.
	Microsoft Windows. Default OS mode.

Software compatibility

FelTouch has been tested and qualified working for various operating systems and popular media center application software include:

Windows XP / Windows Vista / Windows 7
Ubundu Linux
Apple Macintosh / OS X
Windows Media Center (WMC)
SurBox – Android OS based Smart TV from Hanson

New touch gestures dedicated to specific software items are being added continuously, based on customer feedback and demand.

Other Technical Specifications

Item	Descriptions
Dimensions	191mm X 115mm X 13 (6)mm
Battery in use	1500mAh Li-Ion battery
Work time	Two months operation (@ 2 hours daily)
Touch sensor type	Projected capacitive touch sensor
Touch sensitivity	800x480 matrix in touch active area
Touch sensor capability	Full finger multi-touch operation
Wireless communication	Bluetooth 3.0
Software support	Windows, Apple Mac, Linux, and Android

FCC Interference Statement

The device complies with Part 15 of FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operations.

This device 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 device 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 device does cause harmful interference to radio/television reception, which can be determined by turning the device 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 the 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.

Warning:

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