

1 General Product Information

1.1 Product Function and Intended Use

The equipment under test (EUT) is a Wireless Blade FX Controller operating at 2.4GHz

FCC ID:WLEDUS0277M0003

Model	Product description
DUS0277	Wireless Blade FX Controller

1.2 Circuit Description

DEVICE end includes: Master IC circuit, Oscillating circuit; Power circuit; Charging circuit; Module circuit; LED indicating circuit, SENSOR circuit, button circuit, Low power alert circuit, communication connecting circuit

HOST end includes: Master IC circuit, oscillating circuit, power circuit module circuit, LED indicating circuit, communication connecting circuit

The transmitter is mainly controlled by MCU ZPD0070, Status LED is used to indicate the Transmitter working status, Comb Key is used to detect the Comb Key on the controller, Signal Emendation is used to detect Transmission Frequency Deviation, Oscillate is used to detect High Frequency Oscillation Signal, Mixer is used to detect Signal Emendation & High Frequency Oscillation Signal, RF Amplifier is used to detect Modulate Signal, the Battery is for power supply.

The working theory as below:

MCU ZPD0070 detect Comb Key message then transmit Data Controller, meanwhile Modulate Signal is load to High Frequency Oscillation Signal, then Data Controller transmit to RF Module(High Frequency Power Amplifier), finally transmit out by RF Module.

To ensure the remote is connecting well with Wii console and then insert the HOST into remote then HOST link led flash slowly. Turn on the device power switch, the device blue link led flash slowly. Press down DEVICE and HOST LINK key .LINK LED successively quickly. After online OK LED often is bright, the expression the communication was already normal. By now pressed down DEVICE Z or the C key or undulates 3D to be possible to manifest the corresponding function in the game. First time carries in-line after the code compulsion, later will not need again to force on-line .DEVICE end to have the SENSOR (six axis induction) function.

If the DEVICE end and the HOST end do not have the normal connection then DEVICE carries 1 minute later generations to enter the dormant state, LINK LED extinguishment. Then when the DEVICE end has inserts of USB charging cable carries on the charge DEVICE RED LED to be often bright, after sufficient full electricity RED LED extinguishment. When the DEVICE end cell voltage is lower than 2.5V, blue color LINK LED starts by the 0.5S speed to dodge slowly.

The DEVICE end uses 2pcs AAA battery to supply power; HOST end use remote control power source.