User Manual

VEXSN81

Notice

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The illustrations in this user's manual are for reference only. Actual product specifications may vary with territories.

The information in this user's manual is subject to change without notice.

TABLE OF CONTENTS

Notice 2

Preface 4

1.1 Regulations Information..... 5

1.2 Safety Instructions 8

1.3 Conventions for this Manual 8

1.4 Release History 9

Getting to know the basics 10

2.1 Product Specification..... 11

2.2 Preparing your VR Box..... 14

2.3 Product Overview 16

Getting started 21

3.1 Adapter by VR BOX..... 22

Chapter 1

Preface

1.1 Regulations Information

⊙ CE compliance

This device is classed as a technical information equipment (ITE) in class B and is intended for use in living room and office. The CE-mark approves the conformity by the EU-guidelines:

- EMC Directive 2014/30/EU,

- Low Voltage Directive 2014/35/EU (equals A2 : 2013),

- R&TTE Directive 1999/5/EC

The unit can be operated at an ambient temperature of max. 35° C (95°F). Do not subject it to temperatures below 5°C (41°F) or above 40°C (104 °F).

CAUTION: RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

PREVENTION OF HEARING LOSS

CAUTION: Listening to music at high volume levels and for extended durations can damage one's hearing. In order to reduce the risk of damage to hearing, one should lower the volume to a safe, comfortable level, and reduce the amount of time listening at high levels. Headsets should comply with EN 50332-2 requirements.

⦿ FCC compliance

For SAR

RF Exposure Information (SAR)

This device meets the government's requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

The exposure standard employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the EUT transmitting at the specified power level in different channels.

For Label:

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.

FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT

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.

CAUTION : Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

1.2 Safety Instructions

1. Do not apply heavy pressure to the VR Box or subject it to any form of strong impact as this can damage VR Box or otherwise cause it to malfunction.

2. Never cover or block the air vents including those located at the base of the computer. Never cover your VR Box with any object.

3. To keep your VR Box in prime operating condition, protect your work area from direct sunlight.

4. Do NOT expose to or use near liquid, rain, or moisture.
   Do NOT use the modem during electrical storms.

5. Do not use or expose this device around magnetic fields as magnetic interference may affect the performance of the device.

6. When the product needs to leave backpacks, please remove the screws which fixing the product, then fix the screws on original position to avoid of falling objects.

1.3 Conventions for this Manual

CAUTION : This message contains important information that must be followed for safe operation.

NOTE : This message contains information for special situations.

1.4 Release History

Version	Date	Revision
1.0	07.2016	Initial release

Chapter 2

Getting to know the basics

2.1 Product Specification

This User's Manual provides technical information of instructions and illustrations on how to operate this notebook for the customer. Please read this manual carefully before using this VR Box.

· Physical Outline

■

315mm X 410mm X 57mm

3.79 kg (w/backpack)

· CPU

■ Support Processor

SKL-H, 4+2

· Memory

■ DDR4

DDR4 2133MHz

· Storage

■ SSD

2 Slots M.2 2280, PCIE/SATA co-layout

· I/O Port

DC-in	x 1
USB	USB2.0 x 2
	USB3.0 x 3
	USB 3.1(Type C) X 1 (5V,3A)
RJ45 port	x 1
Audio out & Mic in	x 2
HDMI port	x 1
DP	x 1 (w/ Active IC dongle support only-Z-TEK ZE636)
Helmet DC-in (HTC)	x 1 (12V,1.5A)
Power button	x 1

· Audio

■ Audio Codec

Azalia standard support

■ Speaker/MIC

D3 mode support

· Communication Port

■ LAN

10/100/1000 Mb/Sec

■ Wireless LAN +BT

IEEE802.11 b/g/n or AC model BT 4.0. USB interface (option)

· System with LED

■ LED

Power On: Red (Logo)

Battery Low: Blinking Red (Logo)

Shutdown: No Backlight LED (Logo)

Power

AC Adapter

150W/19V/7.89A

Lithium-ion Battery, 18650, Smart- Gas Gauge IC,8 cells, 14.4V/6900mAh (4S2P), 99.36Whr, Hardpack /Removable

Battery status LED , x 2 battery pack

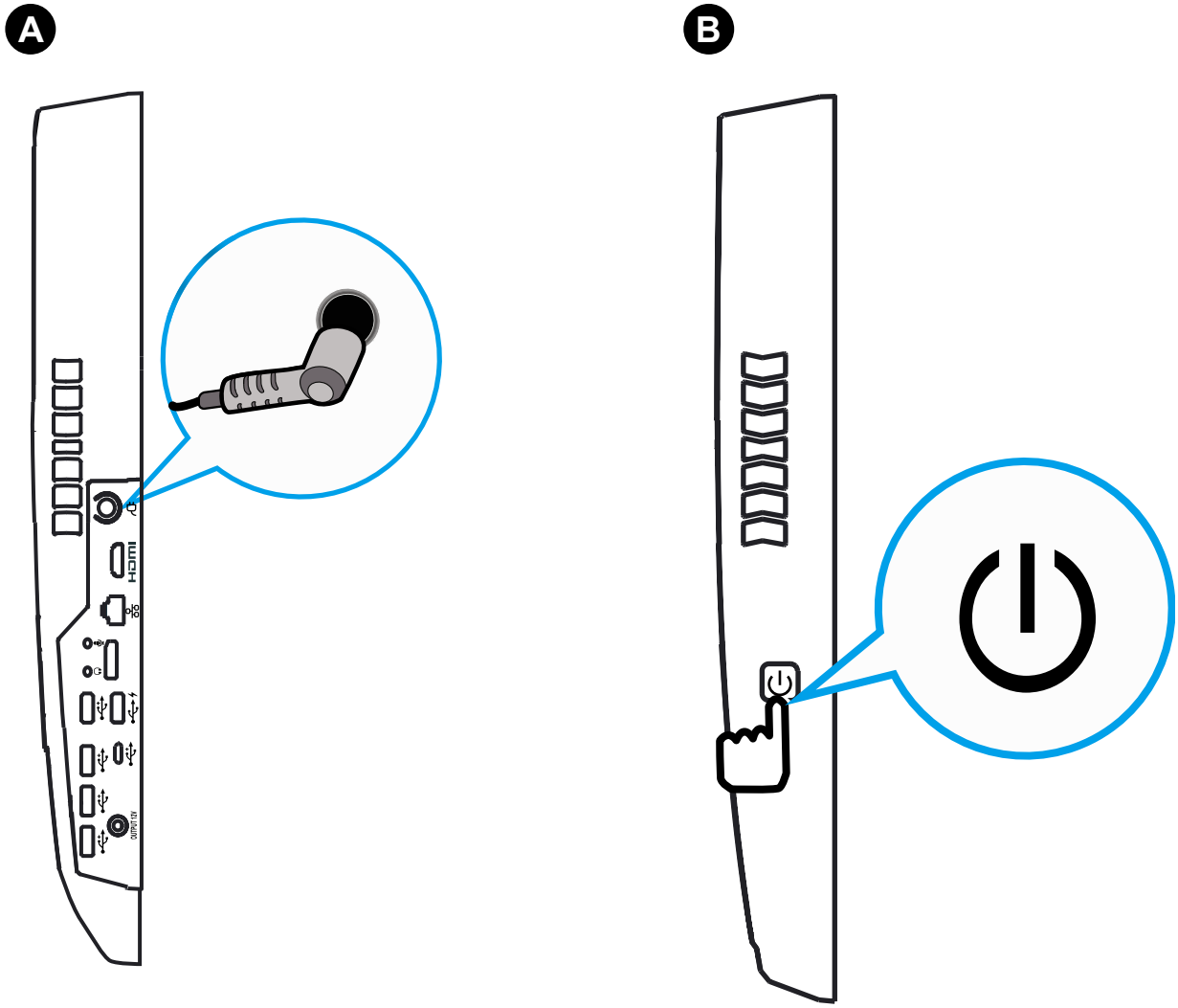
Battery Life

TBC, depends on HMD and content usage

CAUTION: MODEL IS DESIGNED TO USE WITH THE

DC INPUT: 150W/19V/7.89A

2.2 Preparing your VR Box



A Make sure the power plug into the VR BOX power jack.

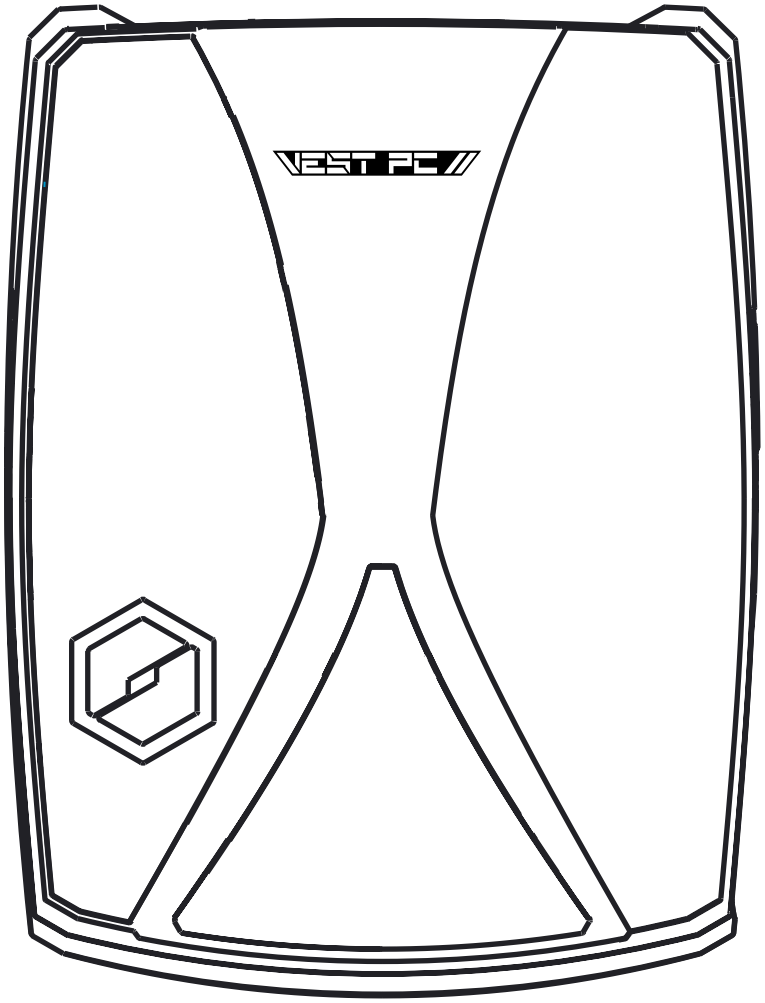
B Press the power button to turn the power .

2.3 Product Overview

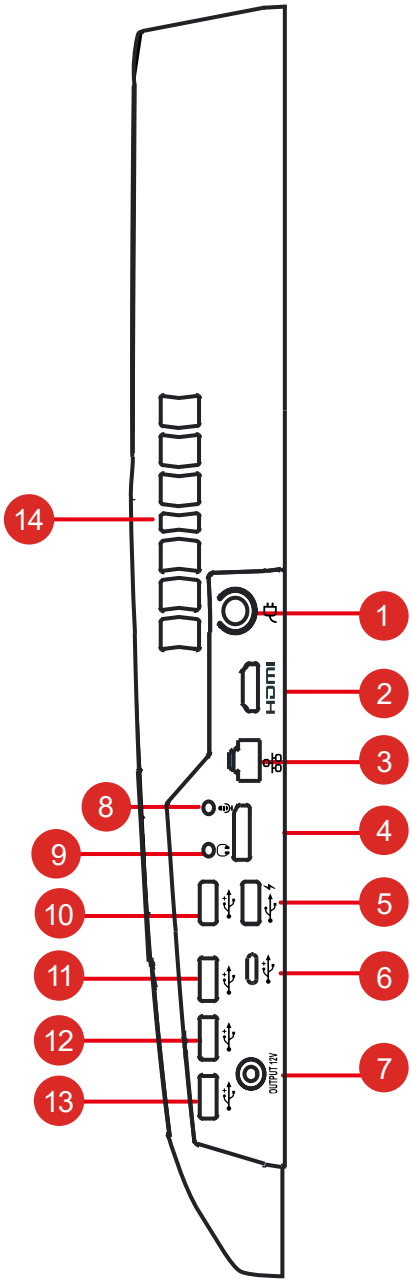
Please become familiar with each VR Box before you operate the VR Box .

Front View

NOTE: The product's color, I/O port, indicator location, and specification will depend upon the actually shipping product.



Right Side View



1 Power Connector

Connects the battery into this connector.

2 HDMI port

Supports high-definition digital video connections.

3 Network Jack

This jack lets you connect to a LAN.

4 Display port

connected to the screen, or a home theater system.

5 USB 3.0 W/Charger

Connects an USB device (such as USB Zip drive, keyboard or mouse) into this jack.

6 USB 3.1(Type C)

Connects an USB device (such as USB Zip drive, keyboard or mouse) into this jack.

7 OUTPUT 12V

8 Headphone and Microphone jack

Connects amplified speakers, headphones or microphone into this jack.

9 Stereo speakers

Produce stereo sound.

10 USB Ports

Connects an USB device.
(such as USB Zip drive, keyboard or mouse) into this jack.

11 USB Ports

Connects an USB device.
(such as USB Zip drive, keyboard or mouse) into this jack.

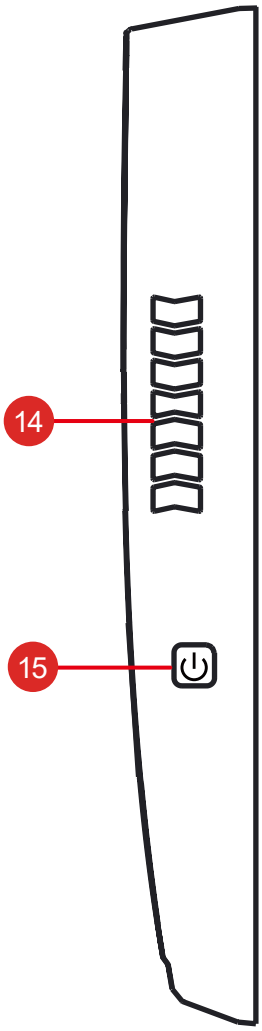
12 USB Ports

Connects an USB device.
(such as USB Zip drive, keyboard or mouse) into this jack.

13 USB Ports

Connects an USB device.
(such as USB Zip drive, keyboard or mouse) into this jack.

Left Side View



14 Vents

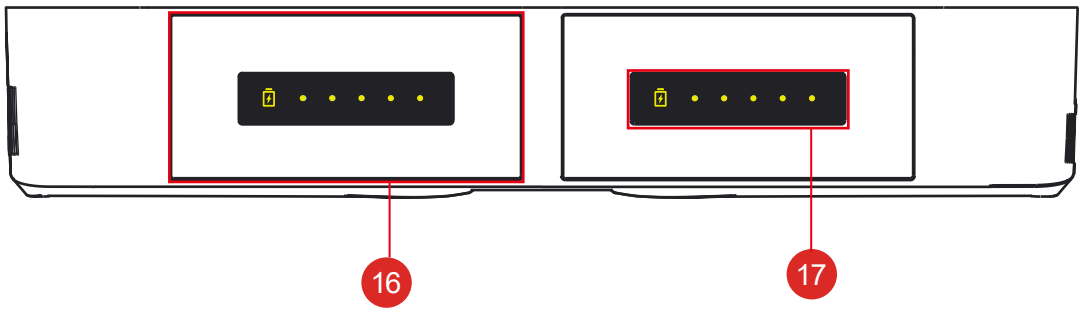
The thermal vents help the processor to avoid overheating.

15 Power Button ⏻

Press this button to turn the computer's power on or off.

CAUTION:Do not put the VR Box on your LAP or other Parts of the body to avoid injury from the heat.

Top-Open View



16 Battery Box

The Battery Box can be took off to install or remove the battery.

17 Battery Power LED

If the battery is no power will be a red light, the battery is fully representative of the full light yellow power.

Chapter 3

Getting started

3.1 Preparing your VR Box

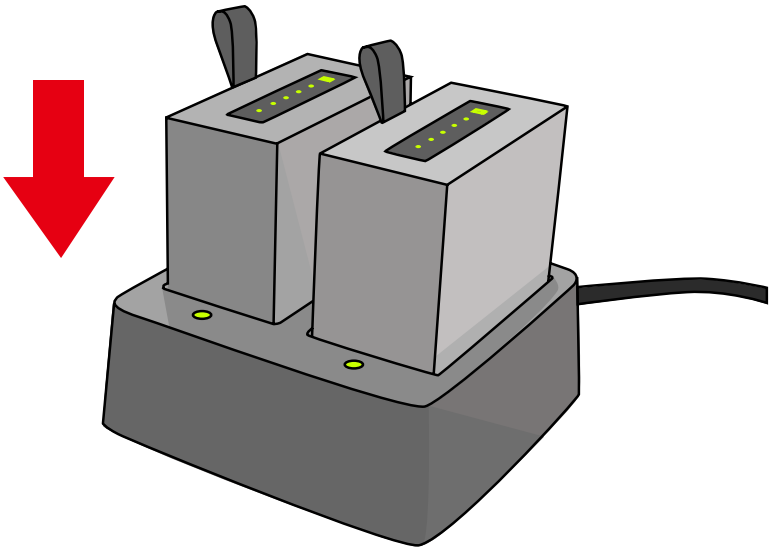
Note that the Micro USB adapter included in the package is approved for your VR Box; using other adapter may damage either the VR Box or other devices attached to it.

1. At the start of charging the battery,when the first one from the need to unplug the machine quickly put second battery, two batteries must exist, the machine will be start.

   (For first-time use, you need to turn your power off and charge it for 6 hours. After that you can recharge the battery as needed.)

2. Five lights for full charging is complete, you can install into your VR Box.

3. Power on : Press the power button to turn on your VR Box.



NOTE: When you need to buy spare battery , recommended buy a sets , and when you want to change the battery ,you must two simultaneous change (change the one, then quickly change an another one), although one battery can hold it, but if the power is difference, it will affect product Balance problems battery cycle life.Only read the L side battery power.

CAUTION:Do not use inferior extension cords as this may result in damage to your VR Box. The VR Box comes with its own AC adapter. Do not use a different adapter to power the computer and other electrical devices.

NOTE: The power adapter may become warm to hot when in use. Be sure not to cover the adapter and keep it away from your body. Your adapter might look different depend on your region.