# Before You Connect SPINA XE800ZAA

- **Run Samsung Update**
  - **Update firmware and drivers (Graphics)**

- **Run Window update**

- **Minimum OS – Win 10 RS3**

- **Insert Batteries into controllers**

- **HMDI and USB 3.0**

# Run Mixed Reality Setup

# Connecting the HMD
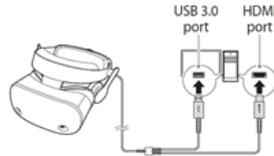
**Connecting the HMD**

To use the HMD, connect it to a computer and connect controllers to use in Mixed Reality Portal to the computer.

Before using, check the Internet connection of the computer.

**Connecting the HMD to a computer**

Turn on a computer and connect the HMD cables to the corresponding ports of the computer.

- When you use a laptop, connect the power adaptor for stable performance.
- Connect the HMD cable to the USB 3.0 port.

**Preparing the HMD for use**

Connect the HMD to your computer and follow the instructions to set the Mixed Reality Portal app without wearing the HMD.

Select the options with either the keyboard or mouse to proceed.

1 Click **Get started** on the Mixed Reality Portal app screen of your computer.

3 Follow the on-screen instructions to learn about the HMD.

4 The HMD's firmware update screen will appear.

When the firmware update button is activated, click it to update the firmware and click **Next**.

USB 3.0 port    HDMI port

When you connect the HMD to a computer, the Mixed Reality Portal app will launch automatically.

If the Mixed Reality Portal app is not launched, click ⊞ → **Mixed Reality Portal**.

The screen may appear differently depending on the app version.

2 Follow the on-screen instructions to check the computer's specification. When completed, click **Next**.

Visit *www.samsung.com* to see the recommended computer specifications.

5 The controller setting screen will appear.

To connect the controller, click **Next**.

6 Connect both controllers one by one.

6-1) Press the Windows button for 2 seconds. The controller will vibrate and the indicator light will turn on.

6-2) Remove the battery cover and then press and hold the Bluetooth pairing button. The controller's indicator light will flash on and off when the controller enters the Bluetooth pairing mode.

6-3) When the connection is completed, you can find the controller on the screen.

7 Set an area to use HMD. Follow the on-screen instructions to set the boundary of the area you want to use.

While you are wearing the HMD, you cannot see your actual surroundings so the digital boundary area is cordoned off, preventing accidents and injury.

**Disconnecting and reconnecting the controller**

If you remove the HMD from your head or the Bluetooth connection ends, the controller will turn off. Press and hold the Windows button to turn on the controller. The controller will be reconnected to the previous computer automatically.

6-4) Press and hold the Bluetooth pairing button until the controller enters the Bluetooth pairing mode.
Connect the opposite controller the same way.
When you have connected both controllers, click **Next**.

If the controller is not connected in the Mixed Reality Portal app, click ⊞ → ⚙ → **Device** → **Bluetooth and other devices**, and try to connect both controllers one by one.

8 Follow the on-screen instructions to complete the setup.

You can use the HMD.

- If the controllers and the computer are not kept within the Bluetooth connection range, the controllers will be disconnected.
- If the batteries are removed from a controller or the Bluetooth feature is deactivated in the computer, the controller will be disconnected.
- If the HMD and controller are not functioning properly, take them and the connected computer to a Samsung Service Center.

# PC Requirement

## Consumers need a compatible PC
capable of Windows Mixed Reality or Windows Mixed Reality Ultra

**Windows Mixed Reality**
For people looking for a modern, sleek PC capable of immersive experiences. Affordable, modern, compatible PCs start at $499; super thin, super light, premium compatible PCs start at $899.

**Windows Mixed Reality Ultra**
For people looking for power horse machines & best VR games and experiences. Powerhouse gaming or premium compatible PCs start at $799.

| | Windows Mixed Reality | Windows Mixed Reality Ultra |
|---|---|---|
| Headset/controller compatibility | Any Mixed Reality badged headset is compatible. Any of the Windows Mixed Reality badged motion controllers are compatible. Headset-motion controller bundles start as low as $399*. PC-compatible gamepad or mouse/keyboard will work too. | |
| Processor | Intel Core i5 (7th generation) CPU, 2 or more physical cores with Intel® Hyper-Threading Technology enabled | Intel Core i5 (6th generation) CPU, 4 or more physical cores AMD FX-4350 4.2Ghz (desktop), 4 or more physical cores |
| GPU | Integrated Intel® HD Graphics 620 or greater DX12 capable integrated GPU | NVidia GTX 1050/AMD RX 460 or greater DX12 capable discrete GPU |
| | Windows Display Driver Model (WDDM) 2.2 or later | |
| Thermal Design Power | 15W or greater | |
| Display | Headset connectors: 1x available graphics display port for headset (HDMI 1.4 or DisplayPort 1.2 or better) | Headset connectors: 1x available graphics display port for headset (HDMI 2.0 or DisplayPort 1.2 or better) |
| | Resolution: SVGA (800x600) or greater | |
| | Bit depth: 32 bits of color per pixel | |
| | Monitor: connected external or integrated display required for setup and while using the HMD | |
| Memory | 8GB DDR3 or greater + dual channel memory for integrated graphics | 8GB DDR3 or greater |
| | >10 GB additional free space | |
| Connectivity | 1x available USB port for headset (USB 3.0 Type-A or USB 3.0 Type-C). Note: USB must supply a minimum of 900mA. Connector adapter required for USB 3.0 Type-C ports. Bluetooth 4.0 (for accessory connectivity) | |

*Expected promotional pricing.
**PC requirements may vary for available apps and content. Experience, apps and content coming on or around 10/17/17

Microsoft recommends intel 7th generation processors for Windows Mixed Reality