



VION VR

STEP-BY-STEP INSTRUCTION



Foreword

In this short manual, you will find all the necessary information about the equipment required for the initial setup and testing of VION VR. Additionally, you will find tips on choosing the ideal room for testing and step-by-step video instructions on how to install and configure the software.

We have made every effort to write this instruction manual in a simple manner so that anyone, even without prior experience with VR or specialized knowledge, can easily install our application and enjoy the game.

To begin, you will need to ensure that your equipment and room are suitable for testing. Then, by following the straightforward and sequential video instructions, you can install our application on your computer and VR headset. We also recommend familiarizing [yourself with the safety guidelines for using the Meta Quest equipment.](#)

Let's get started!

Equipment

First and foremost, it is important to know the list of equipment you will need. Below, we have not only provided the technical requirements for the equipment, but also presented several examples of such equipment.

These examples are not the only suitable options, but they will help you get a better understanding of what equipment you need:



Virtual reality
headset
Meta Quest 3



Personal
computer
or laptop with
Windows 10
or higher



Wi-Fi router



Mobile phone
or tablet and
USB cable



Virtual reality headset Meta Quest 3

For testing, you will need at least one headset and a pair of controllers, which typically come in a set. However, if you have two sets of Meta Quest, you can also perform testing with your friend or partner.

We recommend using the Meta Quest 3 headset, but you can also use any of the newer models.

Purchase options at different sites:

ebay →

Walmart ✱ →

amazon →



Personal computer or laptop with Windows

To successfully conduct the testing, you will need to install the VION VR application on the headset and run the game server on your personal computer. In other words, all game controls, map selection, mode settings, and more will be done through the personal computer.

IMPORTANT! The personal computer must be running the Windows operating system. Otherwise, the testing will not be possible.

Minimum specifications:

- Operating System: Windows 10 or higher.
- Processor (CPU): Intel core i7 or equivalent from AMD.
- RAM: 16GB.
- Graphics Card (GPU): RTX 3060 or higher.
- Hard Disk Space: 5GB.
- Hard Disk Type: SSD.
- Bluetooth and Wi-Fi modules are required.

Suitable Equipment Examples:

[Acer Nitro 5](#)



[MSI Pulse GL66](#)



[Lenovo Legion 5](#)



Wi-Fi router

During gameplay, you wouldn't want the screen to freeze or experience lag, so a router with high data transmission speed is necessary.

Minimum specifications:

- Transmitter Output Power: 23 dBm.
- Wi-Fi Standard: Wi-Fi 5 (802.11ac).
- WAN Speed: 1 Gbps.
- Frequency: 2.4 GHz, 5 GHz.
- Wi-Fi 5G Speed: 867+ Mbps.
- Wi-Fi 2.4G Speed: 300 Mbps.
- Supported Protocols: IPv4, IPv6.

Suitable Equipment Examples:

[Ubiquiti UniFi Dream Machine](#)



[TP-Link Archer AX6000 WiFi 6 Router](#)



[ASUS RT-AX55 \(AX1800\) Dual Band WiFi 6](#)



Mobile phone or tablet

During the initial setup of the Meta Quest headset, you will definitely need a mobile phone or tablet. Without it, it will be impossible to complete the initial registration of the headset and link it to your Meta account. Both Android and iOS devices are suitable for this purpose.

Minimum specifications:

Mobile device (smartphone, tablet) with Apple iOS 10, Android 7.0, or later versions of the operating systems.



USB cable

As mentioned earlier, you will need to install the VION VR application on your Meta Quest headset. To do this, you will need to connect the headset to your computer using a cable.

Typically, the headset comes with a USB Type-C to Type-C cable, which is suitable for connecting the headset to a computer. Therefore, we recommend using a laptop with a USB Type-C port. If your computer doesn't have a USB Type-C port or the cable is not available, you can use a USB Type-A to Type-C cable (shown on the image).

Suitable Equipment Examples:

[Cable typeA to typeC](#) →

[Cable typeC to typeC](#) →



P.S. All the links provided above for equipment options are recommendations to help you understand what kind of equipment would be suitable for the game. Don't be discouraged if you don't find your specific laptop or phone mentioned above. If your devices meet the minimum technical requirements, you will be able to run and enjoy VION VR without any issues.

Area specifications

You have the equipment and need to determine where to play VION VR. Here are a couple of simple guidelines to choose the best location:

01

The room should provide maximum space for movement.

Ideally, it should be 64 square meters (8 by 8 meters) or 700 sq. ft. (26.5 by 26.5 ft.)

- At a minimum, it should be 4-6 square meters (2 meters by 2 meters or 2 meters by 3 meters) or at least 42-65 sq. ft. (6,5 by 6,5 ft. or 6,5 by 10 ft.)

02

The room should be free of columns and other obstacles. You need to clear a vacant area for gameplay

03

The floor should be flat, without hills or slopes. It mustn't reflect light or be mirrored.

04

It would be ideal if the walls and floor have a contrasting pattern, such as parquet or patterned wallpaper. Avoid mirrored surfaces that reflect light and images

05

The ceiling should have even lighting. There should be no lighting on the walls, direct sunlight coming through windows, neon lamps, or LED lights.

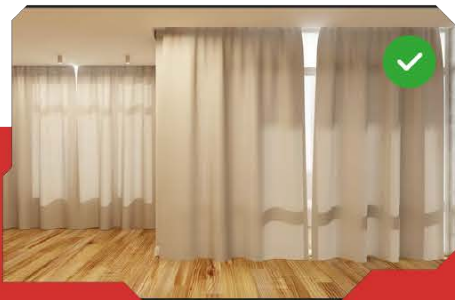


We have prepared examples of suitable and unsuitable VR locations for you:

✓ Suitable



Enough free space



Room without obstacles



Uniform lighting on the ceiling, no sunlight

✗ Unsuitable



Not enough free space in the room



Room with columns and obstacles



Weak, uneven, neon lighting

We have prepared examples of suitable and unsuitable VR locations for you:



Suitable



Contrasting floor with pattern or carpet



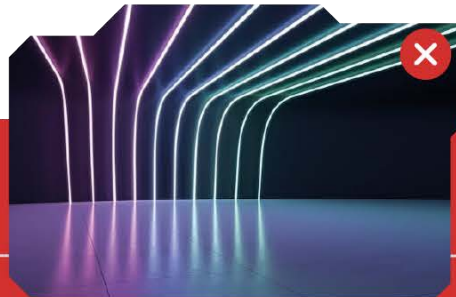
Unsuitable



Mirrored, plain floor



Contrasting walls and floor



Neon lamps on the walls and ceiling

Step-by-step instruction

We have all the necessary equipment, and we have found a location where we will be launching VION VR. Now we can proceed with the installation and setup of the applications. For your convenience, we have created short videos that will guide you through each step of the instructions, from the first to the last click. Just 8 simple steps separate you from an incredible immersion into the VR world!

01

You need to register and confirm your meta account - add email, payment methods and so on.



[Creating a Meta Account](#) →

02

Signing up for Oculus Quest on your phone

Now you need to download and install the app on your phone or tablet and first time launch and set up the Meta Quest headset.



[Android app](#)



[IOS app](#)



03

You need to download and install Meta Quest Developer Hub. It is needed for signing up for a developer account - a one-time step that is required to continue installing our software on your headset.



[Meta Quest Developer Hub Installation](#) →

04

After installing Meta Quest Developer Hub you need to connect the headset to your PC, download Vion VR application and install it on your headset and PC.



If you don't have a correctly working link to the DEMO VION VR, pls contact your support, and they will provide it.

✉ support@lasertag.net
☎ +37 (258) 55 44 90

05

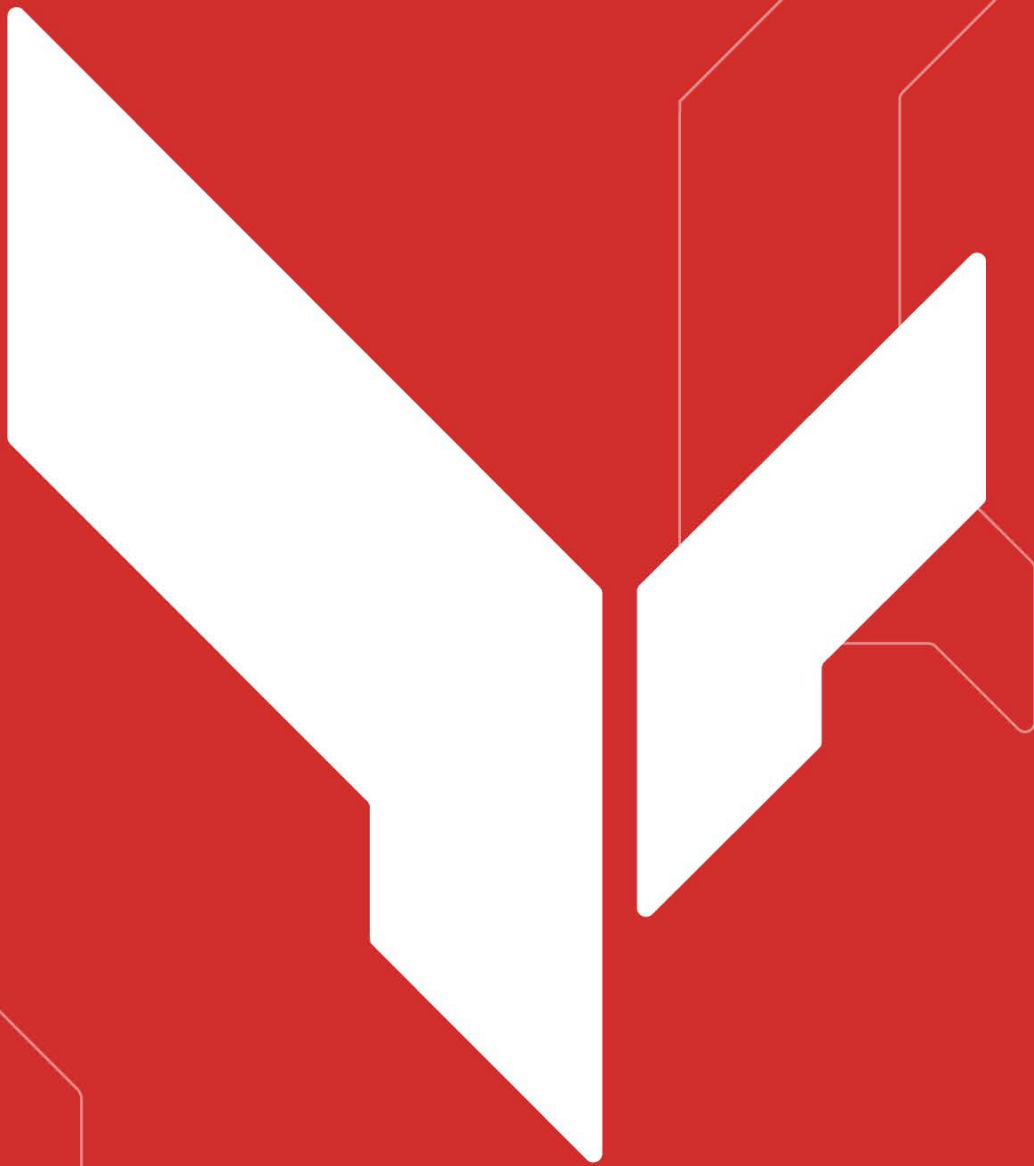
The final important step before playing is to calibrate the virtual map to align it with your physical space as accurately as possible.



06

This brief instruction will show you how to apply some settings and will provide you through the gameplay on the couple of maps.





VION VR

If you encounter any difficulties, have questions, or if you don't understand why a particular step isn't working for you, our support team is ready to assist you at any time. Here are our contact details:

Email:

support@lasertag.net

WhatsApp:

+37258554490