

# Tech Vision XR 2018 Setup and Operation Guide

## Video Presentation:

For an overview of the Technology Vision XR 2018 presentation please watch this video first: [Yves Bernaert presenting TVXR](#). This video shows the full size “stage” version of the app that is ideal for large venues and stage presentations. There is a smaller version 50% sized “table top” version for smaller rooms available. Presentation flow and required equipments are identical in both versions.



## Tutorial Video:

[Marco Tempest behind the scenes of TV/XR](#)



## Shopping List:

Please have these items ready before receiving the Tech Vision XR 2018 app:

1. Unlocked [iPhone 8 Plus](#)
2. [Apple TV](#) (4K preferred)
3. [Gimbal](#) (optional) for smooth camera movement
4. Print this [Vinyl tracking target](#) (122 cm diameter) in **RGB** on Vinyl non-glossy banner material with your local printing service provider.
5. [HDMI adapter](#) for direct cable connection as a backup if there are WiFi issues.



## Other things you need:

Items to be provided by your AV company or by yourself depending on your presentation environment and venue:

1. HDMI connection from Apple TV to your screen
2. Audio de-embedder to get audio from Apple TV to your speaker system
3. Someone to operate the Tech Vision XR 2018 app

## Initial setup:

1. Setup your new iPhone 8 Plus as requested by the phone, you might need a SIM card for the initial setup.
2. Find your device's UDID by following [these steps here](#)
3. Send us your device UDID so we can generate an app download code for you.
4. The app will be delivered within 24-48 hours by a link and a QR code

## Initial Setup (after you received the app download link/ QR code):

1. Connect your iPhone 8 Plus to a WiFi network
2. Open the camera app on your iPhone 8 Plus, and point to the QR code
3. The QR code will lead you to download the Tech Vision XR 2018 app
4. Click "Install" to download and install the app
6. Once download is completed, go to your WiFi setting and "Forget this network"

## Presentation Setup:

1. Make sure the device is:
  - a. Airplane Mode On
  - b. Bluetooth On
  - c. WiFi enabled but not connected to a network

- d. 100% charged
- e. no other apps or version of TVXR are running in the background
- f. do not install any other unrelated apps on the presentation device

2. Follow the steps in the above [video tutorial](#):

- a. turn on iOS device
- b. connect to Apple TV via screen sharing
- c. start TVXR app
- d. track floor to acquire initial spatial map tracking
- e. slowly move to tracking target
- f. swipe left to confirm correct location and orientation of target
- g. start your presentation
- h. have fun with it and enjoy the reaction of your audience :-)

# Tech Vision XR 2018 FAQ

## 1. What is Tech Vision XR?

Tech Vision XR is an iPhone app developed to present Tech Vision 2018 in augmented reality. It requires a two person team:

1. The presenter trained in presenting the Technology Vision 2018
2. The operator to setup the app an equipment and operate the AR camera and trigger the scene and video transitions
3. (optional) If a teleprompter is required you will also need an experienced teleprompter operator

## 2. What do I need to get started?

Refer to the shopping list for requirements and talk to your local AV team to be sure your venue or conference room is ready to host Tech Vision XR 2018

## 3. How to find my iPhone 8 Plus UDID?

See [here](#).

## 4. How to get the Tech Vision XR 2018 app?

Send us your iPhone 8 Plus UDID and we can issue a QR code installer within 24- 48 hours. We are also working on an Accenture App store version that might be ready by the time you read this document

## 5. Tech Vision XR supported devices and OS requirements?

The Tech Vision XR iOS app is optimized and pixel perfect for **iPhone 8 Plus only**. We recommend you to buy a brand new iPhone 8 Plus for presentation use only (even if you have an existing device), this can lower the risks of disruptive pop ups (messages, notifications, carrier settings update) during presentation.

## 6. What is the ideal environment for the tracking?

Non reflective floor with pattern, even and bright lighting, and tracking target which is printed with RGB, on matte and non reflective material.

## 7. I cannot obtain the tracking.

Point the camera around the floor and pan around slowly so the device can learn the space, then slowly point to the target. This method should provide an very good initial tracking that will be used throughout the presentation. It is also possible to do an intermediate re-tracking while the app is in the “video use-case mode” by pointing the camera directly at the target.

## 8. The tracking is misaligned.

Frame the target as close as you can without cutting off any parts, cover the camera with your hand for a second, uncover the camera, it will try to re-align the target. This might take several seconds.

**9. How much space do I need to perform Tech Vision XR 2018?**

The full size or “stage” version requires 4-5 meter space from the tracking target so that the operator has enough space to move and fit in all the visuals to the frame. The smaller 50% “table top” sized version requires half of that space.

**10. The target is lost during presentation.**

Walk closer to the target, re-obtain the target by pointing the camera to the target.

**11. How long does the operator has to practice?**

The more the better! We recommend the operator to practice 10-15 times to learn how to use the gimbal, familiarize with the visuals, framing and flow of Tech Vision XR.

**12. How long does the operator and the presenter need to practice together?**

The more the better! It depends on how experienced the presenter and the operator are, as well as if the presenter has access to video output and prompter. We recommend you to practice together at least 5 times, to develop positioning in relation to each other, how to interact, cue each other, and how to simulate interaction with the visuals.

**10. The connection between iPhone and the screen is jerky.**

Video output on the big screen can be jerky if WiFi is connected to a network, make sure your device's WiFi is enabled, but not connected to a network, if it is connected to a WiFi network, make sure to select “Forget this network”.

If the image output still stuttered, we recommend you to use a lightning to HDMI cable instead of the Apple TV, make sure the cable has sufficient length.