Showtime VR Manual

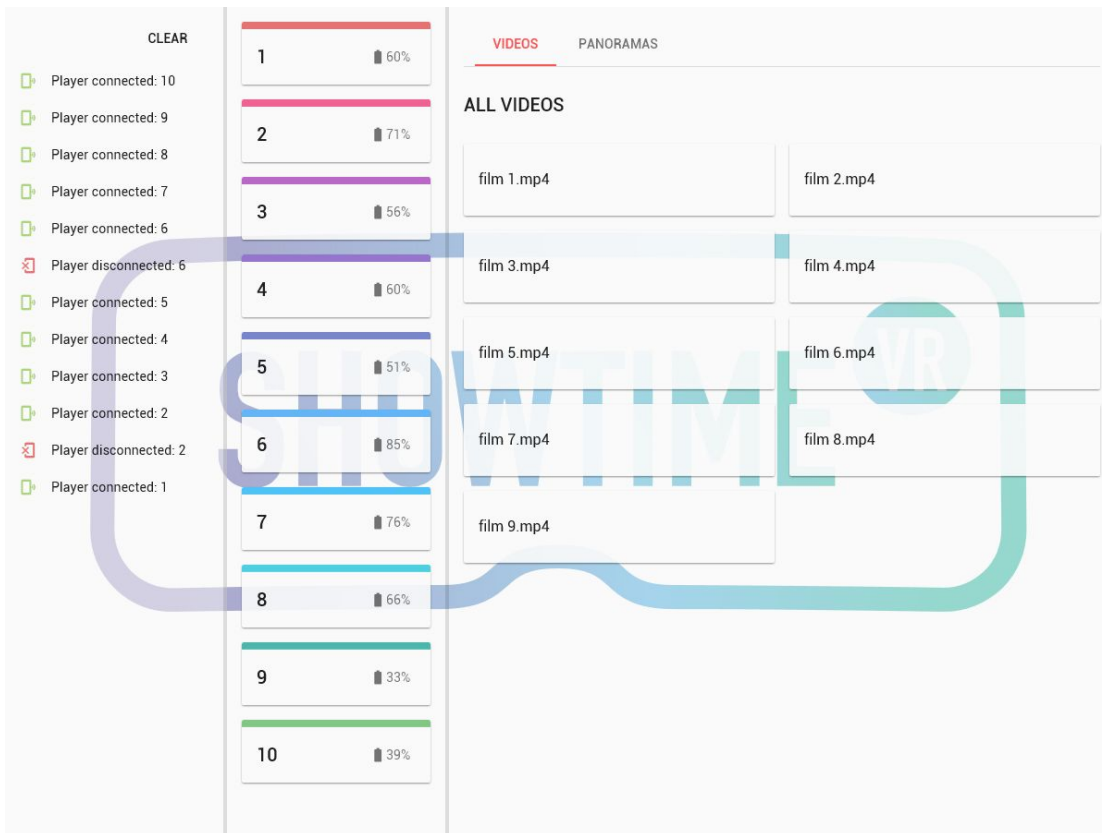**Installing and launching application**

1. Controller device (tablet) installation from APK:
    a. Copy the APK file sent to you to your device
    b. Install the app
    c. Connect your tablet to internet
    d. Open the application on the controller device (tablet)
    e. Fill in the form with the code received via e-mail
    f. Press "Register"
    g. Enable hotspot function on your tablet
    h. Set a password to your wifi network

2. Controller device (tablet) installation from Google Play:
    a. Install the app
    b. Connect your tablet to internet
    c. Open the application on the controller device (tablet)
    d. Fill in the form with your e-mail address (We will send you Oculus Store keys for the player app).
    e. Press "Register"
    f. Enable hotspot function on your tablet

3. Player devices:
    a. If you haven't already received Oculus Store keys, please send us an email to hello@showtimevr.eu with a number of devices you need the player to be installed on
    b. Once you have the keys, open Oculus app on your device, click 'More' then 'Redeem Code' and enter one of the keys sent to you
    c. You should see the Showtime VR app screen, now you can install and start the player app

Screenshot: controller application with connected VR goggles and selection of videos

Preparing content for player devices (detailed info on supported file formats in the Showtime VR player technical specifications.pdf)

1. Videos – formats approved:
   a. Standard 2D .mp4/mkv video 360 degrees
   b. 3D video .mp4/mkv 360 degrees horizontal split
   c. In the root directory of your smartphone or its SD card create a folder Showtime VR/videos/2D for 2D 360 degrees videos and copy 2D videos to this folder. A video needs to hold the same name on all smartphones if you wish to play it synchronically.
   d. In the root directory of your smartphone or its SD card create a folder Showtime VR/videos/3D for 3D 360 degrees videos and copy 3D videos to this folder. A video needs to hold the same name on all smartphones if you wish to play it synchronically.

2. 3D Spatial Sound:
   a. Put your .tbe sound file in the same directory with the video file it corresponds
   b. Make sure that .tbe file shares the same file name with video file.
      Example:
      Showtime VR/videos/3D/example.mp4
      Showtime VR/videos/3D/example.tbe

3. Subtitles:

        a. Put your .srt file in the same directory with the video file it corresponds
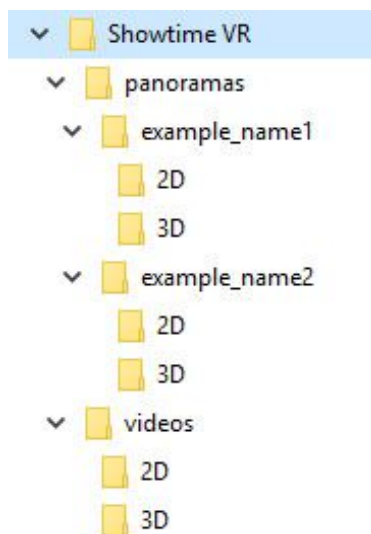   b. Make sure that .srt file shares the same file name with video file.
           Example:
           Showtime VR/videos/3D/example.mp4
           Showtime VR/videos/3D/example.srt

4. Panoramas
        a. .png or .jpg formats ofr 360 degrees photos / graphics
        b. up to 8192 x 4096 px resolution
        c. 2D – one file
        d. 3D – one file with horizontal split
        e. 3D – two files (1 file per eye)
        f. In the root directory of your smartphone or its SD card create a folder
           Showtime VR/panoramas/example_name/2D for 2D 360 degrees
           panoramas and copy 2D panoramas to this folder. A panorama needs
           to hold the same name on all smartphones if you wish to play it
           synchronically.
        g. In the root directory of your smartphone or its SD card create a folder
           Showtime VR/panoramas/example_name/3D for 3D 360 degrees
           panoramas and copy 3D panoramas to this folder. A panorama needs
           to hold the same name on all smartphones if you wish to play it
           synchronically.
        h. In case of panoramas presented from two files (for left and right eye)
           they should be named * L.png and * R.png respectively where "*" is the
           name of your file
        i. **Important!** Showtime VR folders need to be created in the root
           directory of your internal memory of the smartphone or the SD memory
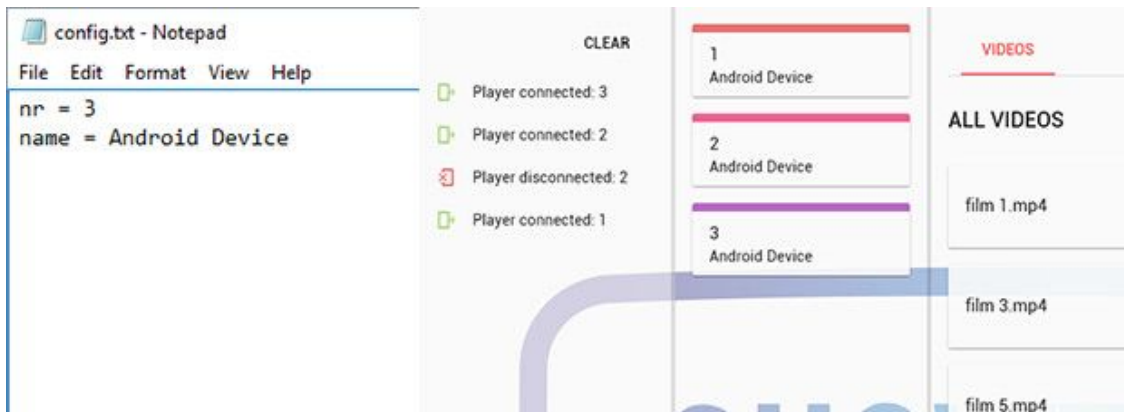   card

Screenshot: folders structure

5. Config.txt file
        a. In order to easily track player devices you can create a config.txt file in
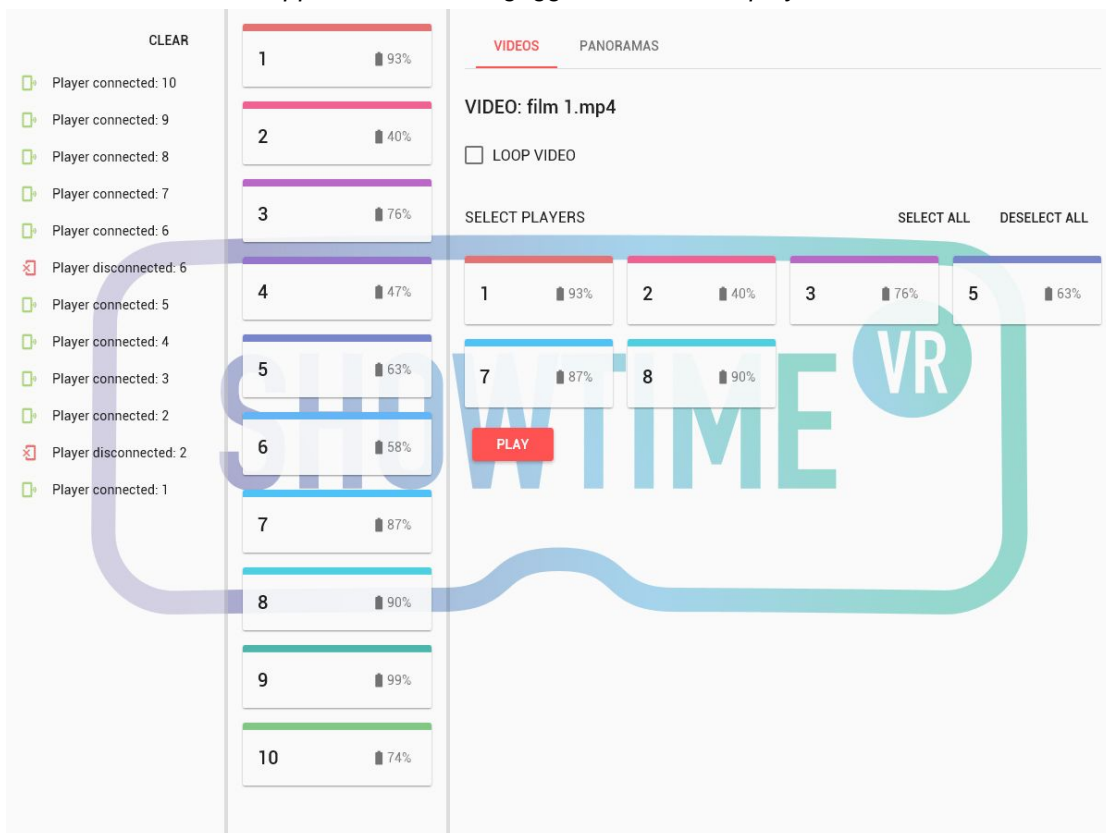   the Showtime VR directory

      b. There are two parameters that allow you to customize player appearance on the player list in your Controller app

      c. "nr = [int]" and "name = [string]"

Screenshot: config.txt file

Playing content

Screenshot: controller application with VR goggles to select for playback

Preparing for playback with Controller device as hotspot

1. Open the Showtime VR controller application on the tablet
2. Enable hotspot function on your tablet
3. Player devices (smartphones):

a. Connect the player devices to Showtime VR wifi network using the password set on the tablet (make sure the device is not connected to any other wifi networks)
b. Open the Showtime VR player application on the smartphone
c. Put the player device in the VR Gear goggles
d. Repeat the same procedure with all player devices you want to use simultaneously
e. Put all VR goggles on the heads and eyes of all participants
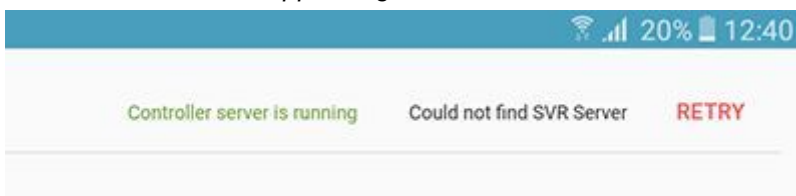4. Monitor connected VR goggles

Screenshot: controller app acting as Showtime VR Server with mobile hotspot enabled.

Preparing for playback with Showtime VR Server (Raspberry PI device)

1. Connect Showtime VR Server to provided router device or your local network with an ethernet cable.
2. Open the Showtime VR controller application on the tablet
3. Player devices (smartphones):
   a. Connect the player devices to Showtime VR wifi network
   b. Open the Showtime VR player application on the smartphone
   c. Put the player device in the VR Gear goggles
   d. Repeat the same procedure with all player devices you want to use simultaneously
   e. Put all VR goggles on the heads and eyes of all participants
4. Monitor connected VR goggles

Screenshot: controller app acting as Showtime VR Server connected to Wi-Fi network.

Screenshot: controller app connected to Showtime VR Server

Showtime VR Standard

1. Select "Videos" tab
2. Select 360 degrees videos you would like to play
4. Select "Play"
5. Select "Loop" if you want the video to be looped
6. The video is now played on all VR goggles which are connected to the tablet and which have the video
7. Click „Play"
8. The video content is played synchronically on all connected VR goggles
9. Monitor progress of the playback

Showtime VR PRO

1. Synchronic video playback
   a. Select "Videos" tab
   b. Select 360 degrees videos you would like to play
   c. Select all (or selected) VR goggles to be played
   d. Select "Play"
   e. Select "Loop" if you want the video to be looped
   f. The video is now played on all VR goggles which are connected to the tablet and which have the video copied
   g. The video content is played synchronically on all connected VR goggles
   h. Monitor progress of the playback
   i. Monitor connected VR goggles and their battery status, if any goggle is disconnected you are signalised in the application and by the sound on the tablet
   j. Monitor progress of the play

2. Asynchronous video playback
   k. Select "Videos" tab
   l. Select 360 degrees videos you would like to play
   m. Select VR goggles on which the video should be played
   n. Select "Play"
   o. Select "Loop" if you want the video to be looped
   p. The video is now played on selected VR goggles which are connected to the tablet and which have the video copied
   q. The video content is played on all selected and connected VR goggles
   r. Monitor progress of the play
   s. Monitor connected VR goggles and their battery status, if any goggle is disconnected you are signalised in the application and by the sound on the tablet
   t. Choose a different video and a different VR goggle to play
   u. You can check playing progress of all shows

3. Playing panoramas / slides
   a. Select "Panoramas" tab

b. Select 360 degrees panoramas you would like to present. You can select many panoramas
c. Select VR goggles on which the panoramas should be presented
d. Select "Play"
e. Select "Loop" if you want the video to be looped
f. The panoramas can be changed manually as presentation slides or with automatic transitions, set transition time
g. The slides / panoramas is now played on selected VR goggles which are connected to the tablet and which have the panoramas copied
h. The content is played on all selected and connected VR goggles
i. Monitor progress of the play if the automatic transition is selected
j. Monitor connected VR goggles and their battery status, if any goggle is disconnected you are signalised in the application and by the sound on the tablet

4. Note that VR goggles are active and connected to the controller device only if they are put on the head

Screenshot: monitoring progress of the playback