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DLNA Media Server Support for Samsung XR

The Samsung XR mobile application will automatically find any DLNA Media Servers available on the WiFi network that your mobile device is currently connected to. These servers will be shown in a channel named Media Servers. The Media Servers channel will not appear until at least one media server is discovered. How fast the application can find a particular server depends on the server implementation.

To get to the list of media servers available, go to Media Server menu by touching the profile icon on the top right corner of the application.

Samsung XR mobile will only show video files available on a DLNA Media Server. Music and images files are not supported. If a media server does not properly identify a file as a video file, it will not be shown in Samsung XR. Samsung XR supports mp4, m4v, mkv, webm, and 3gp file extensions.

All Video Type and Audio Type codes embedded in a video filename are supported in Samsung XR mobile. However, only 360 video types will be played using the 360 playback mode. All other videos will be played as a standard 2D video. Audio Type codes are known to work with the recommended media servers (see below.) See the

Samsung XR for Gear VR FAQ (<https://help.content.samsung.com/csweb/auth/gosupport.do?serviceCd=samsungvr&chnlCd=WEB&targetUrl=/faq/searchFaq.do>)

for more information about Video Types and Audio Types.

Once a file has started playing in the Samsung XR mobile application, you can insert your compatible device into a Gear VR and the same video will automatically start playing within Samsung XR for Gear VR. If the video file name includes a Video Type code, it will be played using the format associated with the code. If the video file name does not include a Video Type code, the video will be played as a 2D video in Samsung XR for Gear VR. You can change the playback format using the **Screen Type** playback control. Audio Type codes are supported as well.

For high resolution 360 videos, buffering and stuttering can occur on 2.4GHz WiFi networks. A 5GHz WiFi network is recommended for optimal performance with these videos. Lower quality videos should stream fine over a 2.4GHz WiFi network, but performance is dependent on the speed of the machine hosting the media server and the speed of your WiFi network.

There are many media servers available. We currently recommend using a Plex Media Server (<https://plex.tv/>) or a PS3 Media Server (<http://www.ps3mediaserver.org/>) to stream videos to Samsung XR. Consult the documentation for the media server you choose for installation instructions and for instructions on identifying the videos you wish to stream. See below for additional setup tips for the recommended servers.

Plex Media Server

Make sure your Plex Server is configured to be a DLNA server. Go to Settings > Server > DLNA and confirm that "Enable the DLNA Server" is checked. More information is available here (<https://support.plex.tv/hc/en-us/articles/200350536-DLNA>). Change the value of "DLNA server announcement lease time" to 120 seconds. This typically allows the media server to be discovered by the Samsung XR mobile application within 1 minute. You should not need to change any of the other advanced DLNA settings.

If you will be streaming XR content with Video or Audio Type codes in the filenames, it is important to create a "Home Videos" library for your video content instead of a "Movies" library. Plex strips out underscores and periods from the names of files placed into a Movies library. This can cause a Video or Audio Type code to be modified such that it is not recognized by Samsung XR. For example, the video file name "My_Video_mono360" with the valid video type code "_mono360" will be automatically converted to "My Video mono360" which no longer contains a valid video type code. Videos put into a Home Videos library will not have their filenames modified.

All Audio Types codes have been verified to work using a Plex Media Server.

PS3 Media Server

From the PS3 Media Server control panel, go to Navigation/Share Settings > Navigation/Parsing Settings and check the settings "Hide #Video Settings# Folder" and "Hide #--TRANSCODE=# Folder". Next, go to Transcoding Settings > Video Settings and enter "mp4,m4v,mkv,webm,3gp" (without the quotes) into the text box next to "Skip transcoding for the following extensions". Restart the server after saving these changes. A PS3 media server will typically be discovered by the Samsung XR mobile application within 3 minutes.



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All Audio Types codes have been verified to work using a PS3 Media Server.

Other Servers

There are many other media servers that we haven't had a chance to try or get working. If you have success with other media servers please contact us via the

Support Page (<https://help.content.samsung.com/csweb/auth/gosupport.do?serviceCd=samsungvr&chnlCd=WEB&targetUrl=/ticket/createQuestionTicket.do>) with the configuration details and we will add them to this page.

EXPERIENCE IN VIRTUAL REALITY

(https://www.microsoft.com/store/apps/9N7J19GTLQDG)	(https://www.oculus.com/experiences/gear-vr/837075486363)	(https://www.oculus.com/experiences/go/837075486363650/)
(https://www.oculus.com/experiences/rift/1885027758194398/)	(https://www.oculus.com/experiences/quest/2346574095401736/)	

ALSO ON MOBILE

(http://apps.samsung.com/appquery/appDetail.as?appId=com.samsung.android.video360)	(https://play.google.com/store/apps/details?id=com.samsung.android.video360)
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