

App Description

1. The Fovea Stream Sandbox demo has 2 modes – Cost Saving & Quality Improvement
 - Cost saving mode:** Showcases bandwidth savings by streaming higher resolution default video lower resolution Fovea Stream AI output video at same perceptual quality
 - Quality improvement mode:** Showcases perceptual quality improvement by streaming same resolution with & without Fovea Stream
2. You can select the resolutions and toggle between videos in portrait or landscape (full-screen)
3. We have provided sample videos from different categories (default URL) to stream as-is from Myelin's CDN
4. User can also test any manifest URL (check file type below) which will stream directly from their cloud

Support & Compatibility

The demo app currently is limited to -

Mobiles : Phones with Qualcomm chipsets - Snapdragon 660, 665, 675, 710, 712, 730, 835, 845, 855

File Type : Manifest (.m3u8 or .mpd)

Resolutions : 180p, 240p, 360p, 480p and 720p

Player Settings : Fixed selection combinations as below

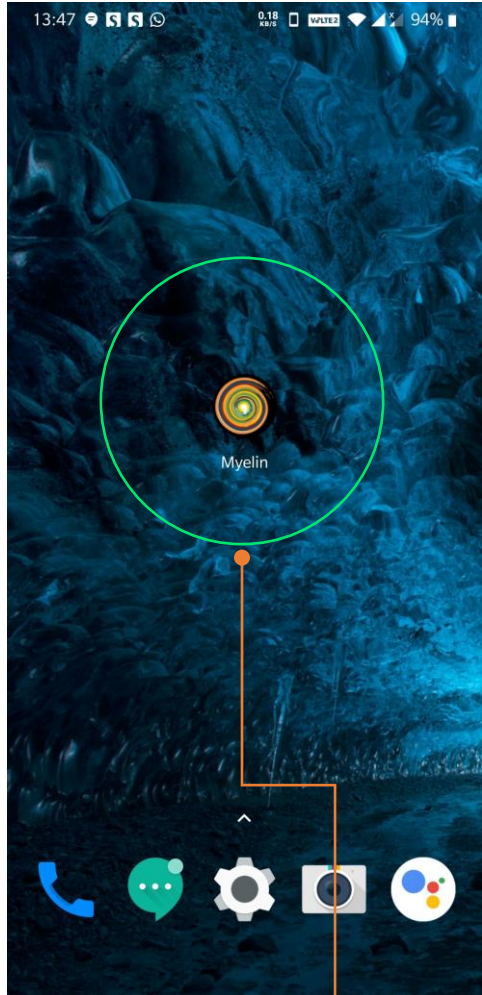
Cost Saving mode

Default Exoplayer	Fovea + Default Exoplayer
240p	180p
360p	240p
480p	360p
720p	480p

Quality Improvement mode

Default Exoplayer	Fovea + Default Exoplayer
180p	180p
240p	240p
360p	360p
480p	480p

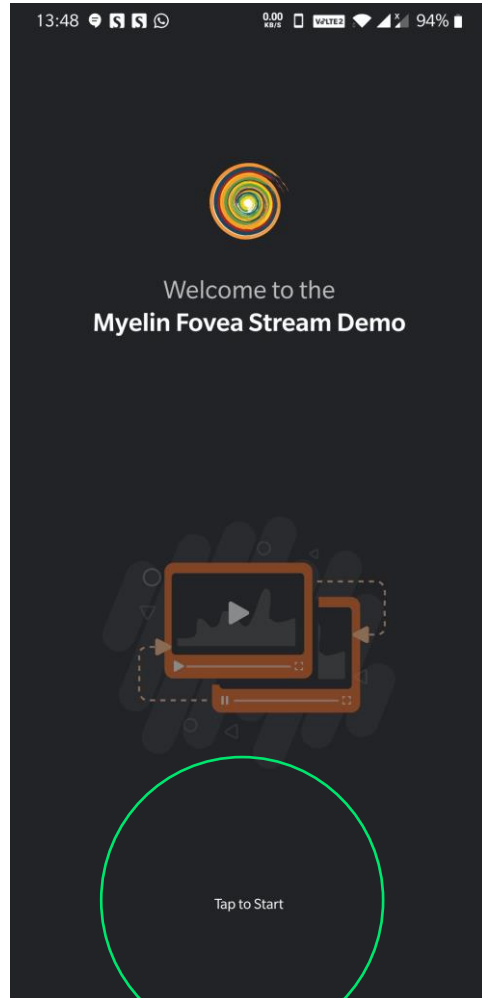
Step 1:
After installing the apk,
open the app



Logo of the App.
Click to Start

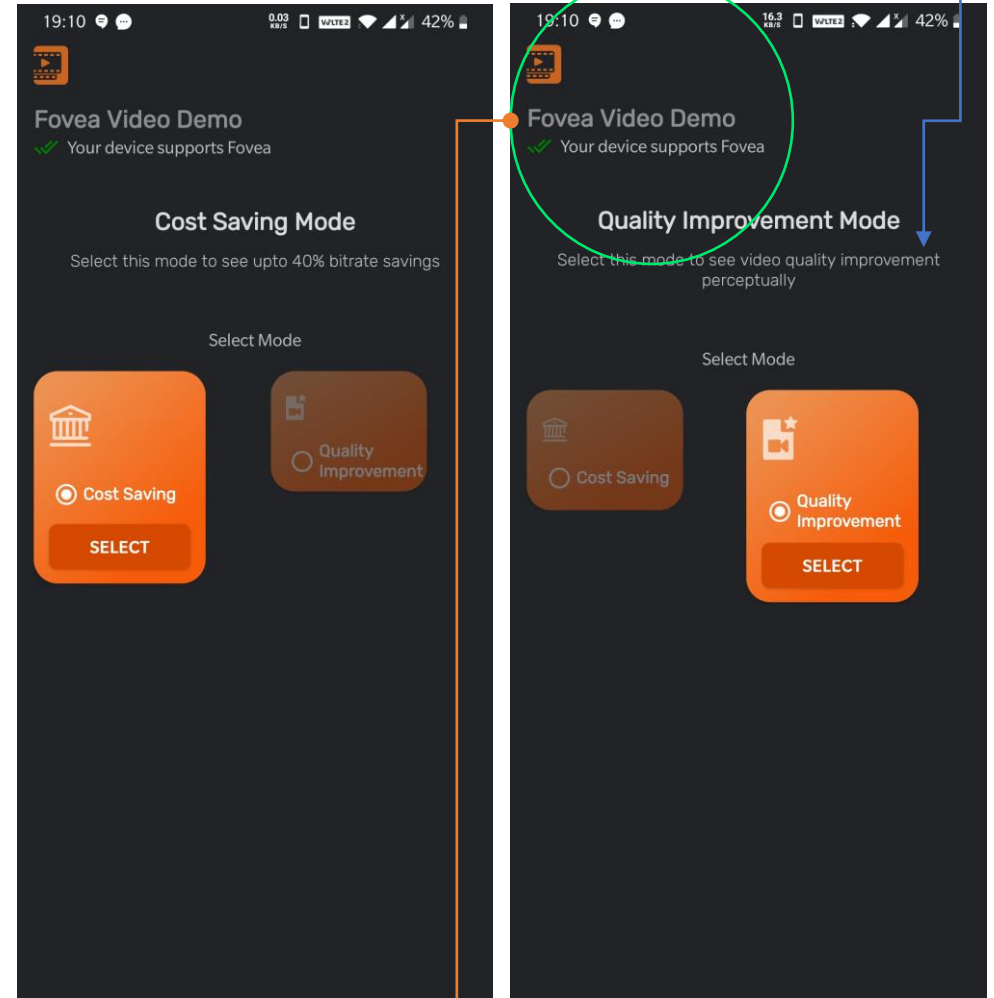


Step 2:
Click on "Tap to Start"



Click here to skip
intro screen

Step 3:
Toggle and select a mode by pressing select.



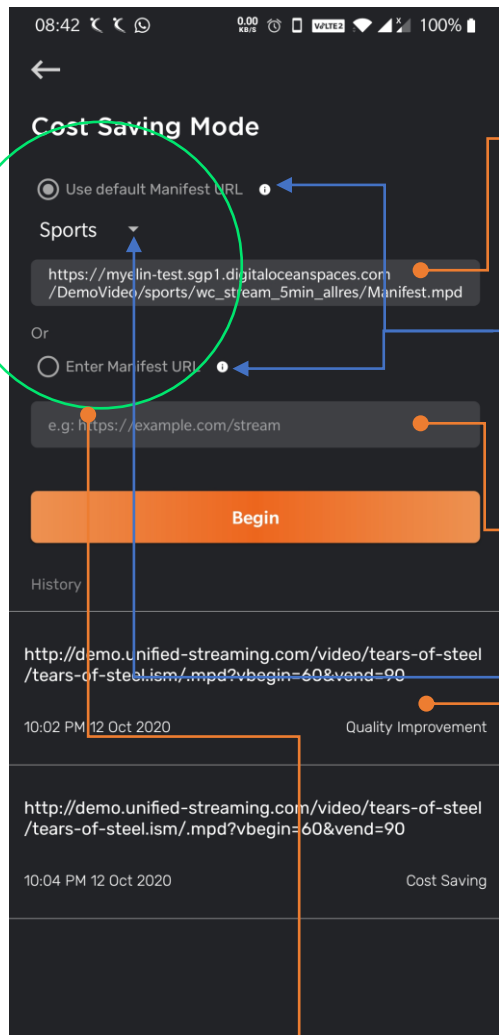
Mode
description

Indicates whether your phone supports
Myelin's AI - Fovea



Step 4:

After selecting the cost saving mode, add or select manifest URL



Plays default videos at Myelin's cloud

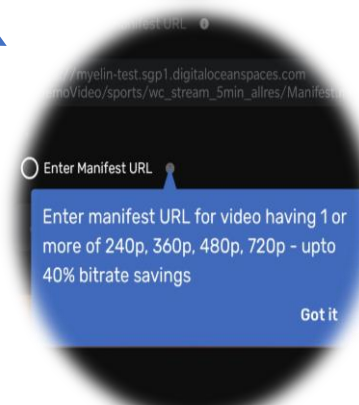
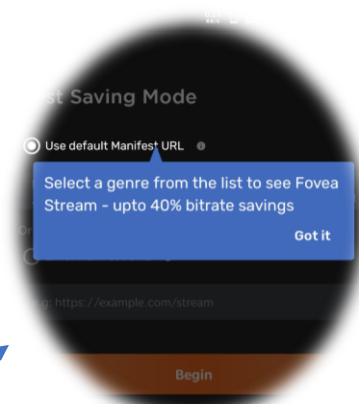
Click 'i' for more info

Plays any manifest file at other clouds

Select pre-defined genre to play

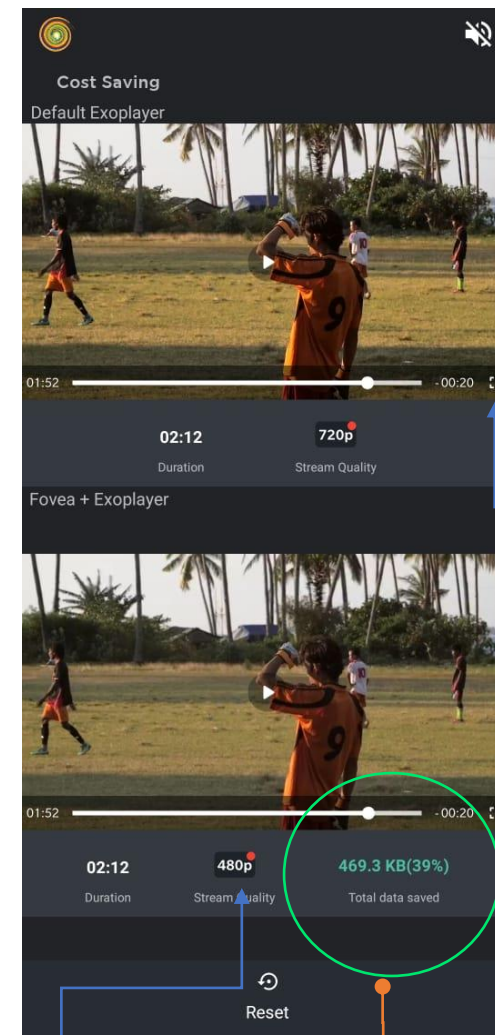
History of videos played

Select default or add manifest URL & press 'Begin'



Step 5:

Compare default video on higher resolution with Fovea output on lower resolution



Mute/Unmute Videos

This is default Exoplayer (without Fovea AI)

Press for full screen

Fovea Stream Player is Myelin's player with AI based super-resolution

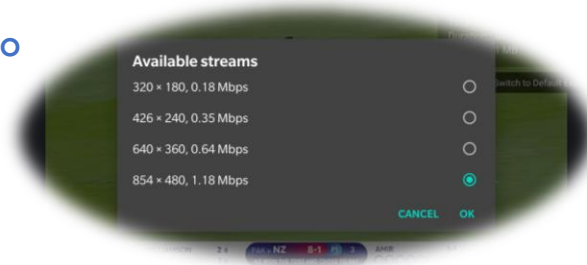
Select resolution (red dot)

Cumulated data saving over video time buffered (e.g. playing 480p with Fovea against 720p default)

Step 6: Full screen mode



Click on resolution to
change resolutions



Video Info

Click to switch between
Fovea Stream player &
Default exoplayer

You can repeat the steps from Step 3 onward to see the other mode

