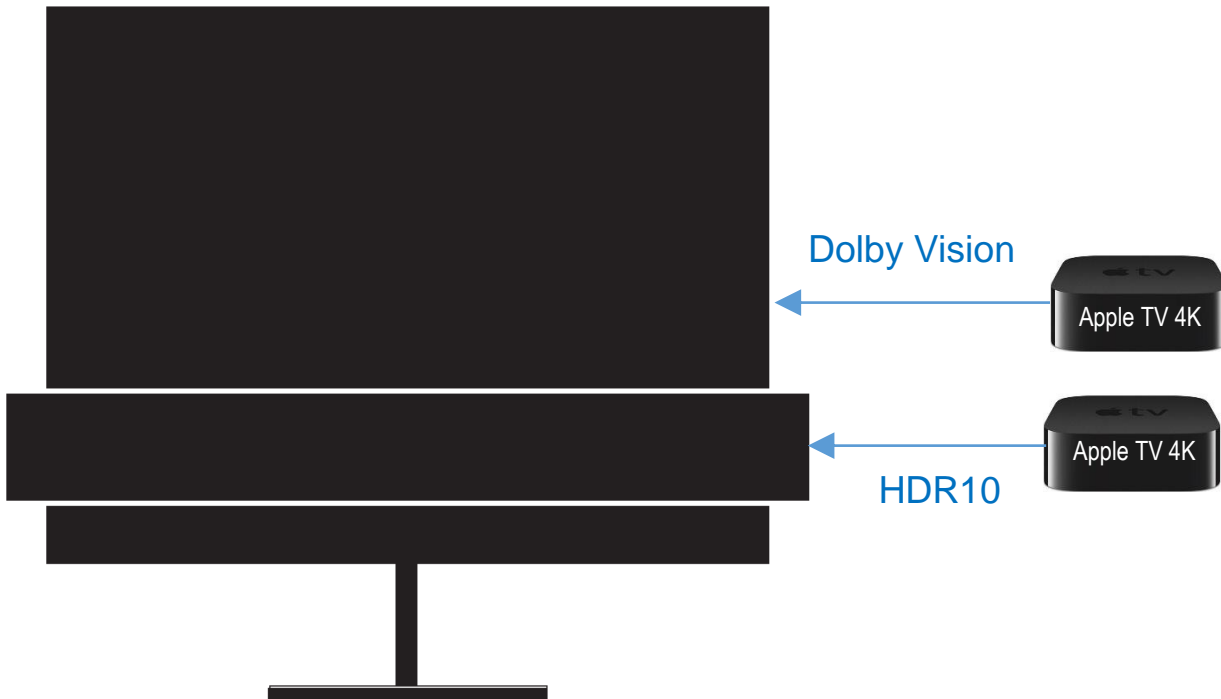


HDR & DOLBY DIGITAL

Facts:

- **HDR10** (UHD/30Hz) requires 10-bit colour level = Data 11,14GB
- **Dolby Vision** (UHD/30Hz) requires 12-bit colour level = Data 13,36GB
- Movies are filmed in 24Hz
- TV programmes filmed in 50/60Hz



HDMI signal processing

Signal processing in Eclipse Sound Centre can handle signals up to approximately 12 GB (HDR10)

For higher bandwidth up to 13.36GB (Dolby Vision) use the HDMI inputs directly on the LG panel.

ECLIPSE AND HDR

Facts:

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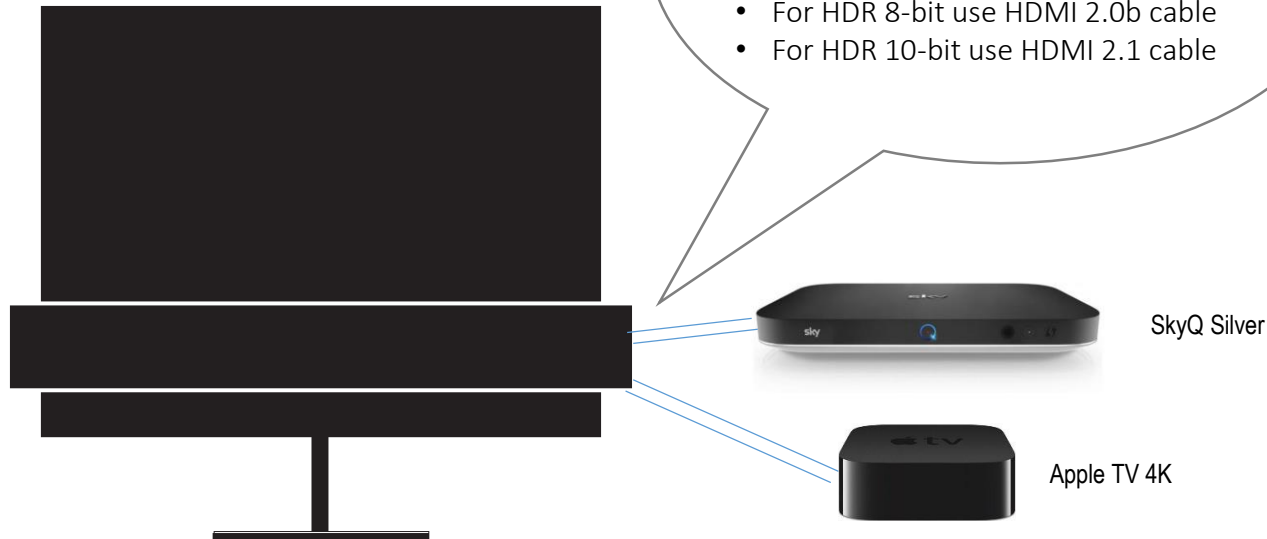
HDMI cable choice is important

Cable tolerances are critical to performance

- For HDR 8-bit use HDMI 2.0b cable
- For HDR 10-bit use HDMI 2.1 cable



Belkin HDMI 2.1 (2 meter)



Maximum settings for SkyQ UHD:

- 2160p 10-bit

Maximum settings on Apple TV 4K:

- 4K HDR 50/60Hz/ Chroma setting 4:2:2
- Or use the simpler "match content"

APPLE TV 4K (MATCH CONTENT)

Facts:

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Recommended to use “Match Content” setting:

- If you lock picture format to HDR 10 or Dolby Vision 30HZ, to ATV will attempt to upscale all material to this format (up to 24Gbps throughput).
- Very few TV’s can handle this, giving you bad picture quality if the content is not exactly what you have chosen.
- Use instead “Match Content” which will always use the correct setting from lowest to highest format, depending on the content.



Recommended settings on Apple TV 4K:

- Set the format to 4K SDR - 25Hz (movies)
- Match Content → Match Dynamic Range=ON
- Match Content → Match Frame Rate=ON
- Chroma either 4:4:4 or 4:2:0 depending on TV