

To maintain a consistently high-quality product Adstream requires all material for distribution in this region to be supplied according to one of the following HD specifications

HD File Specifications	
Mac / PC Users	PC Users
<b>Apple ProRes 422HQ 1080/50</b>	<b>XDCAM 1080/50</b>
<p><b>Container:</b> MOV</p> <p><b>Video</b></p> <p>Codec: Apple QuickTime ProRes 422 (HQ)</p> <p>Profile: HQ</p> <p>Chroma Subsample: 4:2:2</p> <p>Interlacing: Upper/Top Field First</p> <p>Frame Size: 1920x1080</p> <p>Frame Rate: 25 FPS</p> <p>Aspect Ratio: 16:9</p> <p><b>Audio</b></p> <p>Codec: Integer (Little Endian) PCM</p> <p>Sample Rate: 48kHz</p> <p>Sample Size: 24bit</p> <p>Channels: Stereo</p>	<p><b>Container:</b> MOV or MXF</p> <p><b>Video</b></p> <p>Codec: XDCAM 422</p> <p>Profile: MPEG-2 422P@HL</p> <p>Bitrate: 50Mb/s CBR</p> <p>Chroma Subsample: 4:2:2</p> <p>Interlacing: Upper/Top Field First</p> <p>GOP Structure: Long GOP</p> <p>Frame Size: 1920x1080</p> <p>Frame Rate: 25 FPS</p> <p>Aspect Ratio: 16:9</p> <p><b>Audio</b></p> <p>Codec: Integer (Big/Little Endian) PCM</p> <p>Sample Rate: 48kHz</p> <p>Sample Size: 24bit</p> <p>Channels: Stereo</p>
HD Video	
<p>TV Format: HDTV</p> <p>Aspect Ratio: 16:9</p> <p>Title Safe: 16:9 as per EBU R.95-2008</p> <p>All Video Signals Should Comply With ITU-R BT.709-5</p> <p>Video Signals Should Not Exceed the Specified Limits</p> <p>Video Levels Should Not Exceed 700mV, Or Fall Below 0mV</p> <p><b>Out of gamut tolerance</b></p> <p>Whilst Adstream and the Broadcasters will reject illegal video levels they understand there may be instances where it is difficult to completely avoid and following EBU recommendation Rec.103-2000. will allow a small tolerance, assuming that no more than 1% of the active picture is in error.</p> <ul style="list-style-type: none"> <li>• Luminance (Y) -1% and 103% (i.e. between -7mV and 721mV)</li> <li>• RGB video levels -5% and 105% (i.e. between -35mV and 735mV)</li> </ul>	
HD Audio	
<p>All South African Broadcasters now require audio to be compliant with EBU R128 as below.</p> <p><b>EBU R.128-2014</b></p> <ul style="list-style-type: none"> <li>• Integrated Loudness Program: -23 LUFS</li> <li>• Target Level Tolerance: +/- 0.9 LU</li> <li>• Maximum True Peak: -2dB</li> </ul>	
Additional Information	
<p>Should you require any further information or clarification, please contact:</p> <p style="text-align: center;"><b>Adstream South Africa (Media Host)   +27 (0)10 594 5147   <a href="mailto:traffic@mediahost.co.za">traffic@mediahost.co.za</a></b></p>	