Quick Start Guide ANT-4000E/EB and ANT-4000D

The ANT-4000E is a high quality 1080P60 maximum video and audio encoder with virtual serial connections. ANT-4000E compresses Video and Audio using H264 standards and streams this compressed signal over an IP network via Ethernet. Using an ANT-4000D decoder unit will allow the IP network stream to be decoded and converted back to Video plus Audio. Alternatively a Software decoder such as VLC player may be used to decode the IP network stream generated by the ANT-4000E. This document applies to variants of the ANT-4000E e.g EB

❑ **Quick Start - Power up and streaming video**

The ANT-4000E comes with a 12 volt power converter (220/240/110V AC to 12 VDC) plus a kettle lead for connection to the mains supply. Plug the Kettle lead into the 12 volt supply and the other end of the kettle lead into the local AC supply.

Remove the ANT-4000E from its packaging and connect the 12Volt DC plug into the 12 socket of the ANT-4000E. 5x LEDs will illuminate then gradually change state as the unit boots into its standby/ ready condition. (See LED description for exact meaning of LEDs)

Connect a suitable video source via one of the external Video and Audio inputs provided on the ANT-4000E. Video resolution can be from PAL NTSC up to 1920 x1080 at 60 Hz or frames/second. A full list of supported video formats is described later in this manual. (HDMI , CVBS, VGA and Component (using a Component to VGA dongle) . DVI-D may be connected using a DVI-D to HDMI dongle. If you are using an ANT-4000D decoder unit connect this in a similar way as described above except Video and Audio connections will be Outputs instead of inputs .

ANT-4000E + ANT4000D are shipped with the following defaults:

- Encoder will communicate / stream to the Decoder via LAN

- HDMI Port 1 (upper most input) on ANT-4000E is input and HDMI output on ANT-4000D

- IP addresses are 192.168.0.151 (E) and 192.168.0.152 (D)

- Connection via LAN will allow video from the ANT-4000E to be streamed to the ANT-4000D without any changes being made to the settings. Customers with both units should test this configuration first. This is the low latency mode proprietary mode.

❑ **Quick Start- Connecting a web browser to adjust/ change settings.**

The ANT-4000E/D has a web interface for setting up all parameters , network functions etc. Currently you must use Internet Explorer for this function.

Having connected the ANT-4000E to a video/audio source and 12vDC next connect the ethernet port to an ethernet network/ switch using an RJ45 ethernet cable (not supplied).

Connect a laptop or PC to the same network that the ANT-4000E is connected to.

ANT-4000E Factory default IP address is 192.168.0.151 (ANT-4000D is 192.168.0.152)

❑ **Quick Start- Streaming video to VLC player using RTSP streaming.**

The ANT-4000E can be set to stream video to a software decoder such as VLC player. There are two modes supported :

a) RTSP video plus Audio

b) MPEG-TS mode Video Only!

To test Software decoding using VLC player please follow these instructions:

1) Browse to the ANT-4000E IP address using Internet Explorer. Active X is used to control and change settings so your browser may ask if it is safe to install Active X control.

2) On the Streaming Control page select the RTSP SERVER pull down menu and select ON. Then press SUBMIT to save these setting changes to RAM

3) If you wish to save this configuration to FLASH memory so that after next power up these settings will be default, go to SAVE SETTINGS and click SAVE then confirm.

4) Open VLC player and in Network type : **rtsp://192.168.0.151:8554/stream** (where 192.168.0.151 is the IP address of the ANT-4000E encoder)

5) VLC will now decode the incoming rtsp stream from the ANT-4000E. Please use VLC version 1.1.11 or later