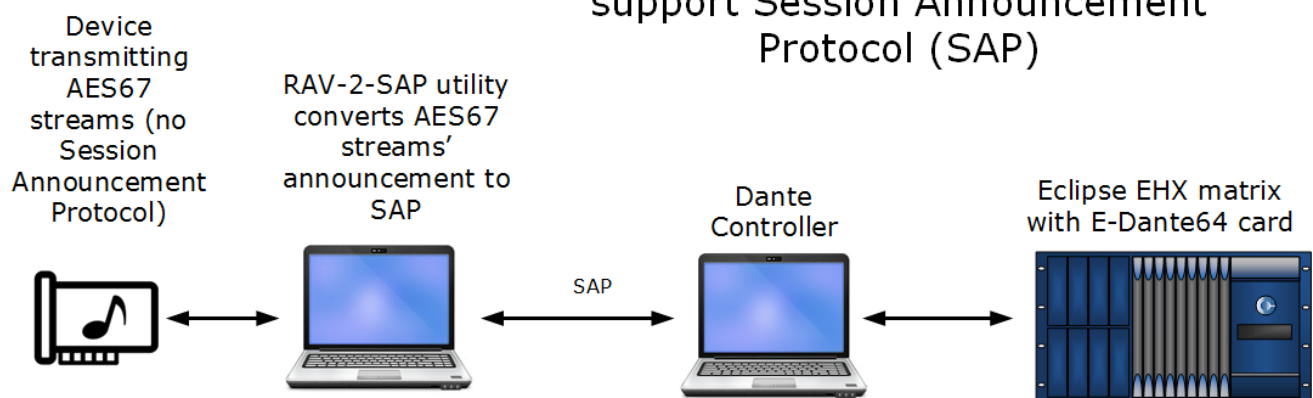


ClearCom AES67 connection guidelines. March 27, 2017

When connecting devices in order to route AES67 audio streams with your E-DANTE 64 card, the following general principles should be noted:

- AES67 uses IEEE1588-2008 Precision Time Protocol (PTP) to ensure synchronisation between devices. All networked devices, including your network switch must support this standard.
- You need to disable any Energy Efficient Ethernet (EEE) switches, as these will disrupt the synchronization of audio streams.
- All networked devices need to support multicast routing. The Dante system defaults to multicast when routing AES67 streams.
- Multicast routing uses the Class D range of IP addresses (224.x.x.x – 239.x.x.x). For AES67 streams, chose an IP range that does not conflict with other network traffic. Consult your network administrator if necessary.
- It is recommended that Internet Group Management Protocol (IGMP) snooping is enabled on your network switch. This will avoid the possibility of flooding your network.
- When routing audio streams, sample rate on all devices must be the same.
- Dante uses Session Announcement Protocol (SAP) to discover devices on a network. If any of your devices do not support SAP, the Dante Controller will not be able to see them. In this case, you need to use a SAP conversion tool, such as the free Ravenna-2-SAP converter available from the Ravenna website.

Configuration for devices that do NOT support Session Announcement Protocol (SAP)



Once Dante can see the audio streams they do not go via the RAV-2-SAP utility.

From the Dante Controller, enable AES67 streams and create flows in the **AES67 Config** page. When this is done a virtual transmitter (blue) can be seen in the **Routing** page and the audio can be routed in the usual way.

See more on Ravenna-2-SAP <https://www.ravenna-network.com/aes67/rav2sap-1/>

See AES67 in *Eclipse EHX software user guide* available from <http://www.clearcom.com/support/user-manuals>

For Dante documentation refer to the Audinate website.