

MAYAH Communications Application Note 30

RTP connections to APT Devices

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1. Prerequisites

This document aims to give a guideline on how to establish RTP connections between MAYAH and APT Codec devices.

The following procedure has been tested with a MAYAH Sparty and an APT Worldcast Eclipse.

Firmware Versions:

MAYAH: 2.3.2.58

APT: B1.18 (Beta MCU Firmware) and NMS V1.8 Build #911 (Pre-release)

2. Setting up a connection

Bidirectional Connections:

If a bidirectional Connection is desired, it is necessary to establish two separate unidirectional connections.

Step 1: Encoder/Decoder Parameters

The decoder parameters (“Codec Settings”) on the Eclipse needs to match the Encoder setting on the MAYAH device.

In case of a unidirectional connection from Eclipse to a MAYAH device the settings do not need to match, since the MAYAH device will recognize the stream.

Step 2: Establish an RTP stream from Eclipse to MAYAH device

Figure 1 shows an example of the connection setup in the APT NMS. As shown, the “Remote Rx Hardware Type” and “Remote Tx Hardware Type” have to be set to “IP 3rd Party Legacy”. Since 5004 is the default IP port for RTP traffic the “Rx /Tx IP Port” should be set accordingly – other settings are possible, but need to be set on the MAYAH device as well.

Figure 1 Connection Setup in the APT NMS

To establish the connection, simply press the “Connect” button on the “IP Connect” tab.

Note: If the Eclipse is configured for a bidirectional connection (as in the example above), the unit will produce alarms until a connection has been established from the MAYAH device to the Eclipse as well.

Step 3: Establish an RTP stream from MAYAH device to Eclipse

In order to establish a connection from the MAYAH device, the Encoder/Decoder Quality settings should be made according to the settings on the Eclipse.

The RTP connection should be established using the remote IP address **and port**:

e.g.: 10.9.1.110:5004

Otherwise the connection may not be established – depending on the order steps 2 and 3 are take in.

Note: Steps 2 and 3 may be taken in reverse order