

ANT-1776 series UAV module SDP file creation tool for RTP streams

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Overview

The ANT-1776 is setup to stream using the RTP protocol

The SDP creator utility is not installed but run from its .exe file

The values from the ANT-1776 products "Output Streaming" are copied in to the relevant fields

The SDP file then is created.

SDP file will have the naming convention of the "System Name".sdp, i.e. mux1.sdp, mux4.sdp

For further help and advice please contact Antrica on:
 Email: support@antrica.com
 Phone: +44 1628 626098, during UK office hours, and ask for technical support

Document info

Version	date	author	Comments
0.1	7-Feb-24	David M	Initial draft

1. Important notes

The streaming protocol on the ANT-1776 product has to be set to RTP.

Any IP address in the range 0.0.0.0 to 223.255.255.255 is treated as a **unicast** address.

Any IP address in the range 224.0.0.0 to 239.255. 255.255 is treated as **multicast** address.

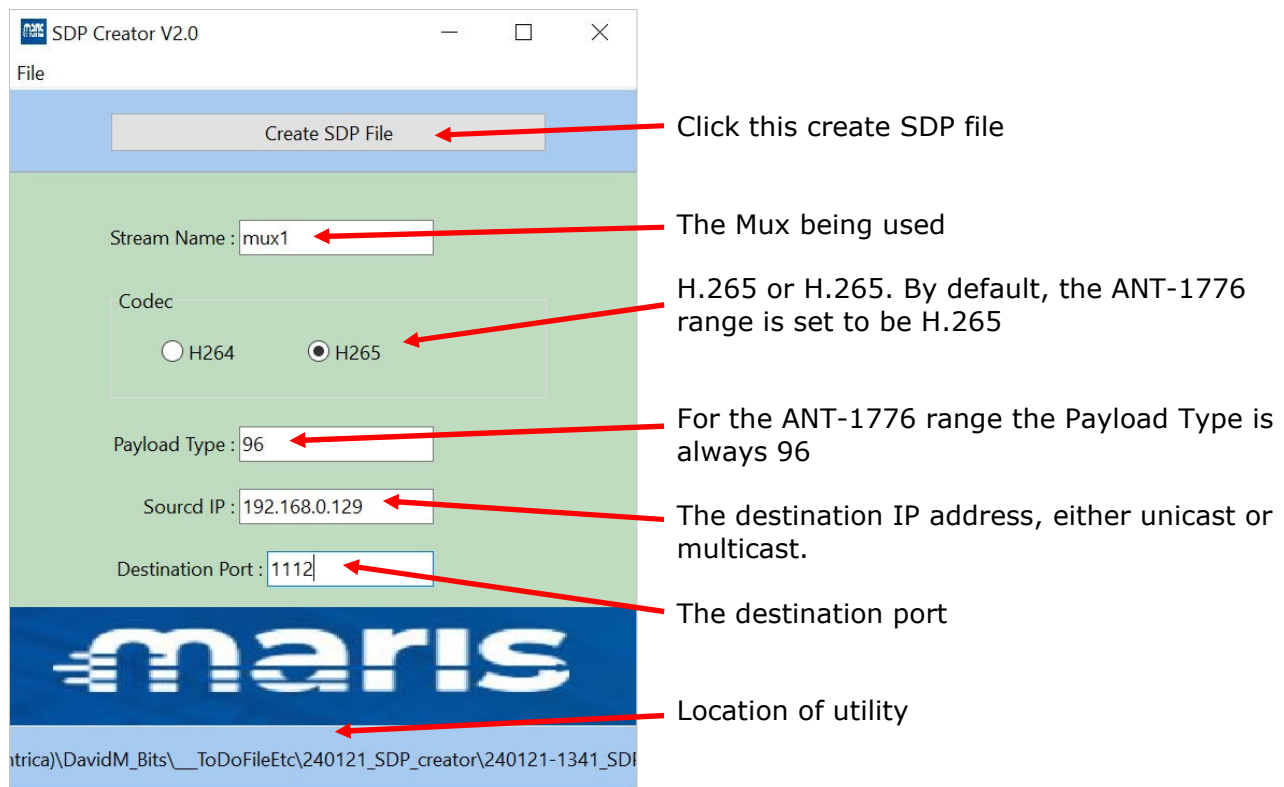
2. Install

There is no installation, just download and uncompress the "SDP_File_Creator_v2.rar" or "SDP_File_Creator_v2.zip" file to find the file "SDP_Creator_v2.0.exe" and its associated "ini" file.

3. Run the SDP file creator

Find the file "SDP_Creator_v2.0.exe" and double click to run / open the utility. It will open and look something that some in Figure 1.

Figure 1 : RTP SDP creator utility



The example show setup shown in Figure 1 is for mux1 shown in Figure 2.

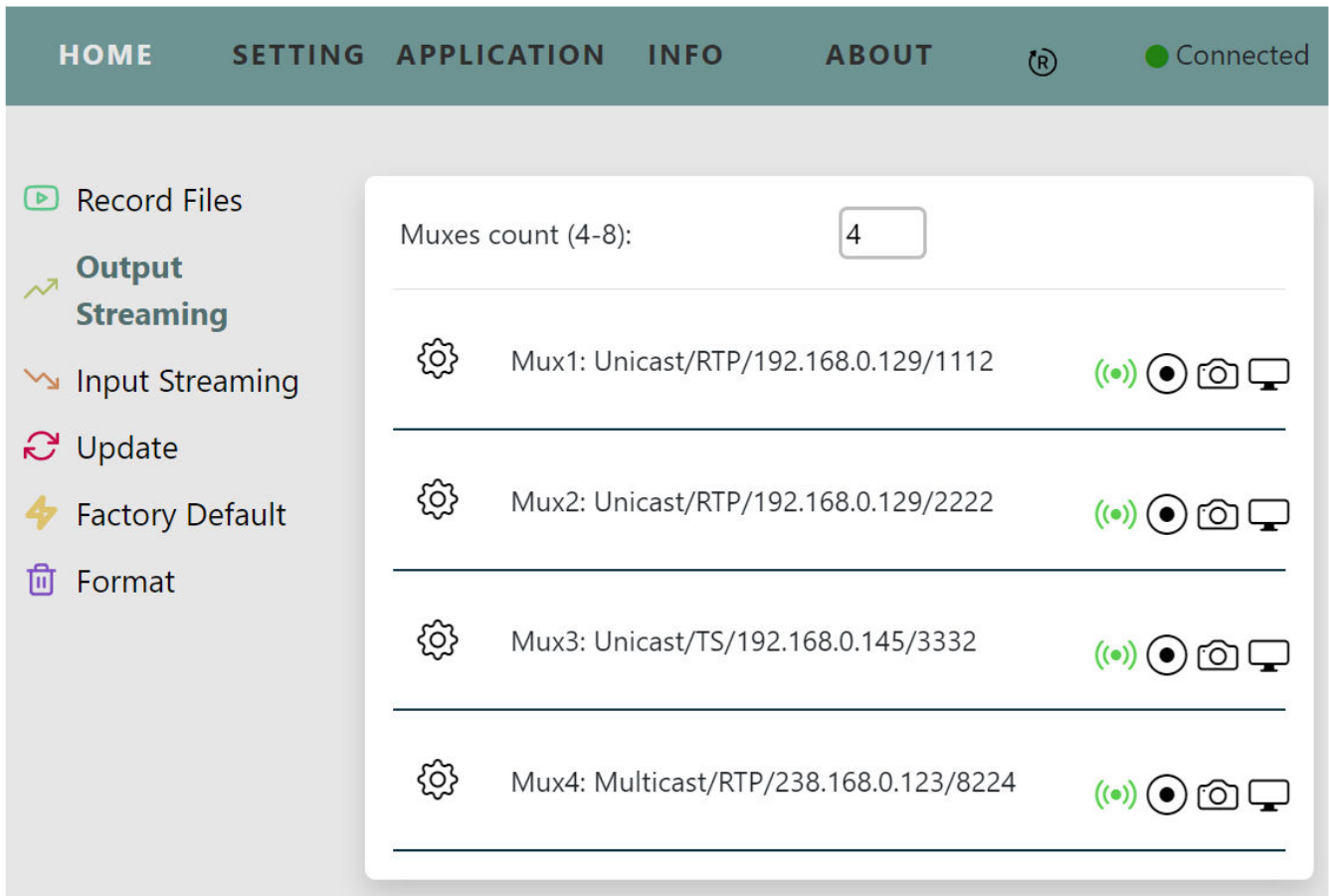
The "Source IP" contains the IP address which will be automatically set as either unicast or multicast as it is in the ANT-1776 webpage, see Figure 2.

Once all the values are correctly copied from the ANT-1776 webpage, click the "Create SDP file" button.

The SDP file will be created and placed in the same folder as the SDP_Creator_v2.0.exe application.

The SDP file will have the naming convention of the "System Name".sdp, so in the example shown in Figure 1 it will be mux1.sdp.

Figure 2 : ANT-1776 series UAV module "Output streaming" webpage



4. example contents of SDP file

Should you wish to open the SDP file with text editor, below are some example of what you would see . . .

4.1. Mux1 h.264 Multicast (238.168.0.123) port 8224

```
v=0
o=- 0 0 IN IP4 238.168.0.123
s=mux1
c=IN IP4 238.168.0.123
t=0 0
a=tool:libavformat 58.29.100
m=video 8224 RTP/AVP 96
a=rtpmap:96 H264/900000
a=ftmp:96 profile-space=0;profile-id=1;tier-flag=0;level-id=0
```

4.2. Mux2 h.265 Multicast (232.168.0.123) port 2824

```
v=0
o=- 0 0 IN IP4 232.168.0.123
s=mux2
c=IN IP4 232.168.0.123
t=0 0
a=tool:libavformat 58.29.100
m=video 2824 RTP/AVP 96
a=rtpmap:96 H265/900000
a=ftmp:96 profile-space=0;profile-id=1;tier-flag=0;level-id=0
```

4.3. Mux4 h.264 unicast (192.168.0.123) port 2224

```
v=0
o=- 0 0 IN IP4 192.168.0.123
s=mux4
c=IN IP4 192.168.0.123
t=0 0
a=tool:libavformat 58.29.100
m=video 2224 RTP/AVP 96
a=rtpmap:96 H264/900000
a=ftmp:96 profile-space=0;profile-id=1;tier-flag=0;level-id=0
```

4.4. Mux3 h.265 unicast (192.168.0.123) port 2224

```
v=0
o=- 0 0 IN IP4 192.168.0.123
s=mux3
c=IN IP4 192.168.0.123
t=0 0
a=tool:libavformat 58.29.100
m=video 2224 RTP/AVP 96
a=rtpmap:96 H265/900000
a=ftmp:96 profile-space=0;profile-id=1;tier-flag=0;level-id=0
```