

# Example to send API commands to ANT-1773

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## Overview

In this documented example the commands to start and Stop the streaming of Mux1 are shown.

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## Document info

Version	date	author	Comments
1.0	7-Jul-21	David M	Initial draft

## 1. Equipment

#	Equipment	use	version	comments
1	PC	run applications / web pages	windows 10 Pro	
2	ANT-1773S	receive API commands	2.3.8.6	IP address = 192.168.1.30
3	Packet Sender	sent Hex data to ANT-1773	6.2.3	
4	API guide	Commands and protocol	4.50 (dated 20/3/13)	Filename "UN_icd_req4.5.0.pdf"

#3

Packet sender is available from <https://packetsender.com/>

#4

The API guide is located at

[https://www.dropbox.com/s/6z9kglf5tr3fsn9/UN\\_icd\\_req4.5.0.pdf?dl=0](https://www.dropbox.com/s/6z9kglf5tr3fsn9/UN_icd_req4.5.0.pdf?dl=0)

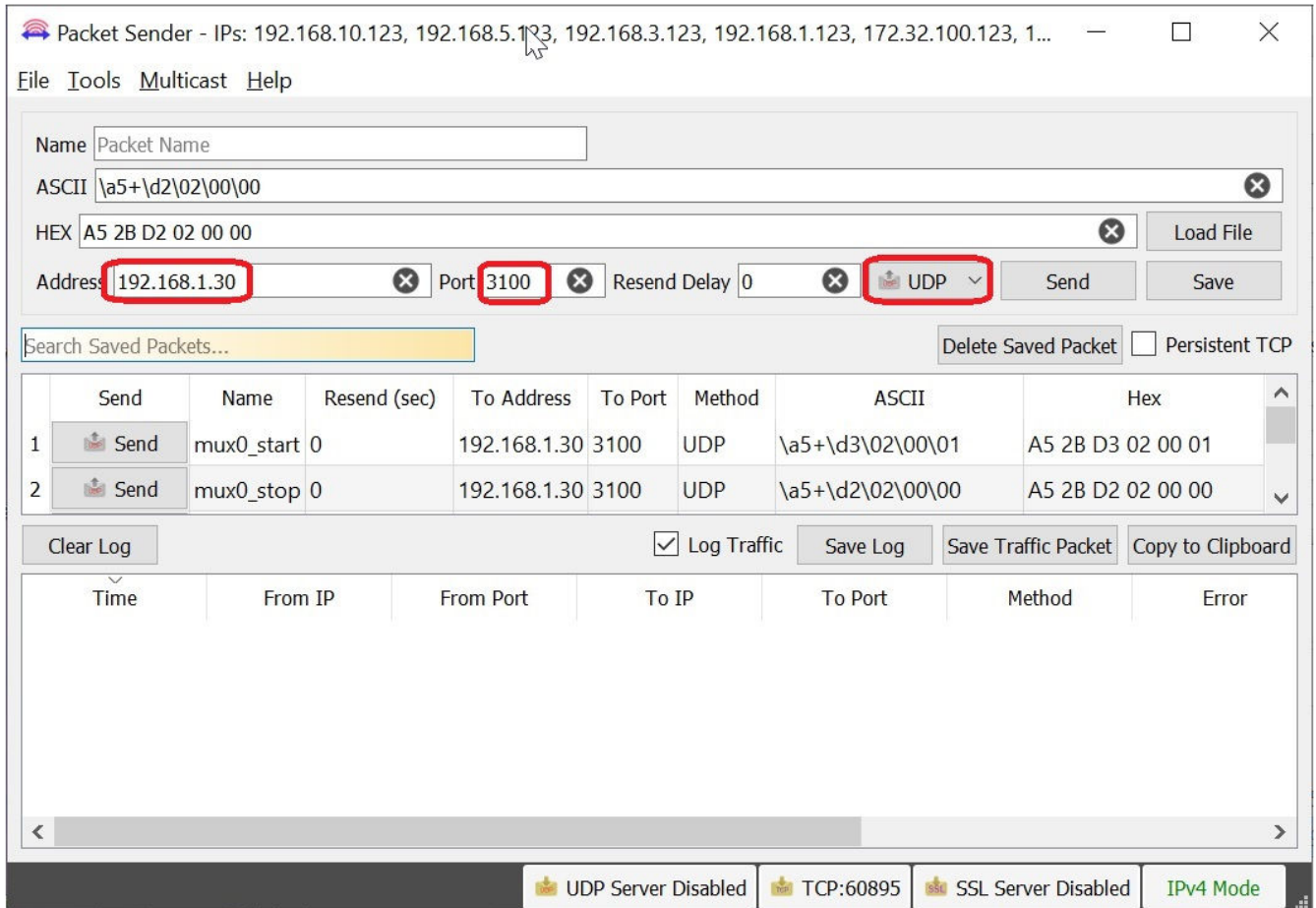
or from the Antrica website

[Antrica.com](http://Antrica.com) -> [ANT-1773 product page](#) -> [Product Info & Downloads](#) -> [SDK](#) (a dropbox window opens) -> UN\_icd\_req4.5.0.pdf

## 2. Setup

Run Packet sender, and configure the IP address of the ANT-1773, the UDP port to 3100 and the protocol to UDP, as shown in Figure 1

Figure 1 : Packet Sender setup



### 2.1. Mux1 stop

#### 2.1.1. command

Using the API guide, refer to section "2.43 Set Streaming Operation", on page 37 the command to stop mux1 from streaming is:

0x2B020000

This is made up of the data shown in Table 1.

Table 1 : Mux1 stop command

Field name	Value
Message ID	43 = 0x2B
Data length	02
Mux number	00
Stop operation	00

To send this command you require the addition information, as shown in section "1.7 Message Format" on page 10.

Table 2 : Mux1 stop command with required additional "header" information

Message Section	Field name	Value	Comments
Message Header	Message Sync	A5	
	Message ID	2B	From the data in Table 1
	Check Sum	xx	To be created
	Data Length	02	From the data in Table 1
Message Data	Stop Mux1	43020000	

The complete command will be:

A52BD2020000

So, in this example the data is made up as shown in

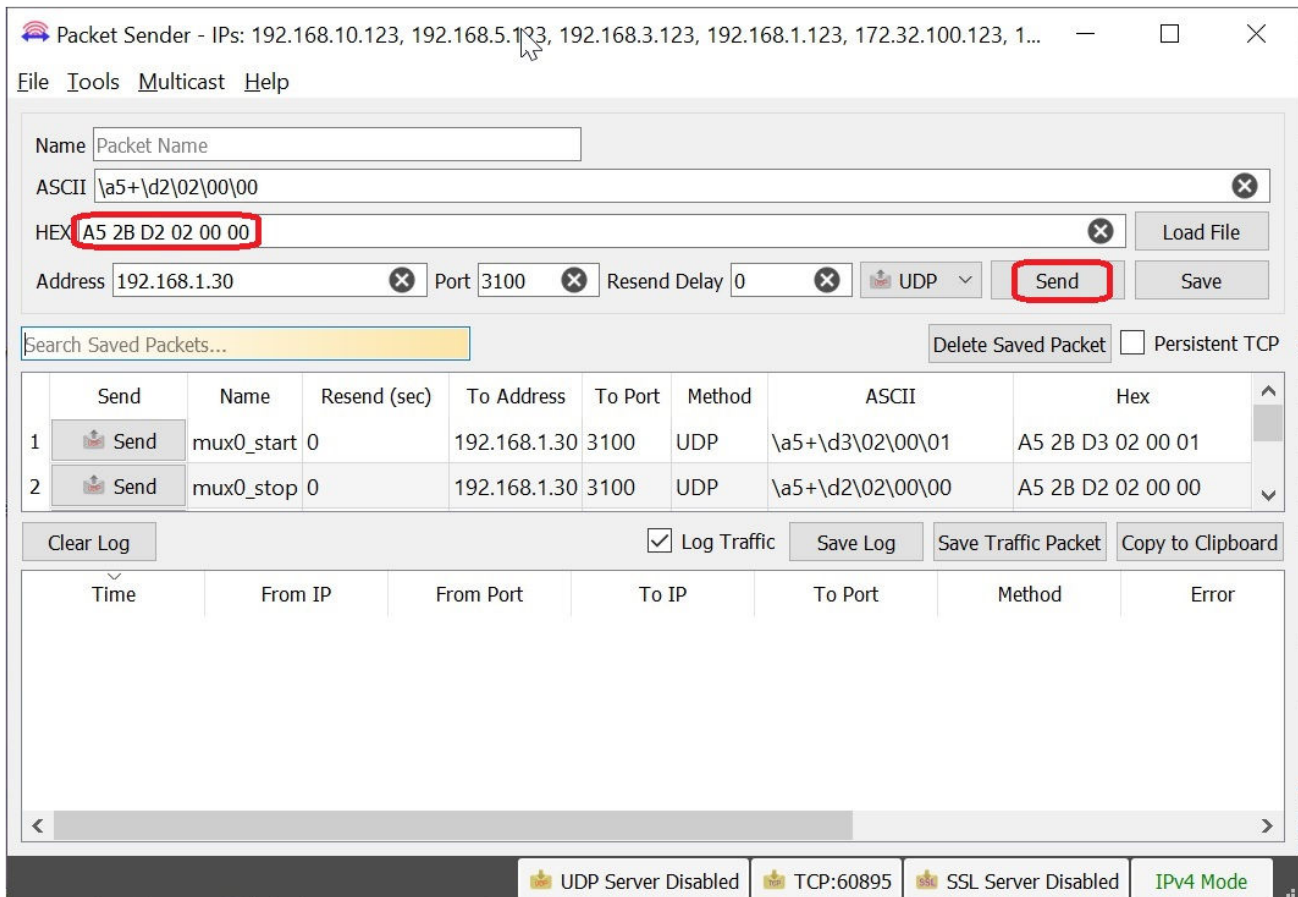
Table 3 : Complete Mux1 stop command

Message Section	Field name	Value	Comments
Message Header	Message Sync	A5	
	Message ID	2B	From the data in Table 1
	Check Sum	D2	
	Data Length	02	From the data in Table 1
Message Data	Mux1	00	
	Stop	00	

### 2.1.2. Example

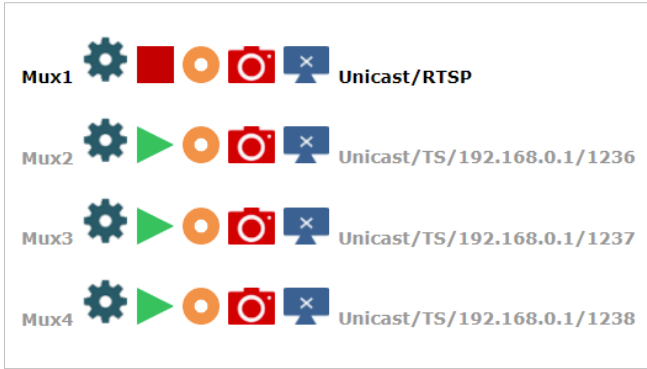
The Hex value for the complete commands - A52BD2020000 – is placed in the HEX field in packet Sender, as shown in Figure 2.

Figure 2 : Packet Sender command input and send



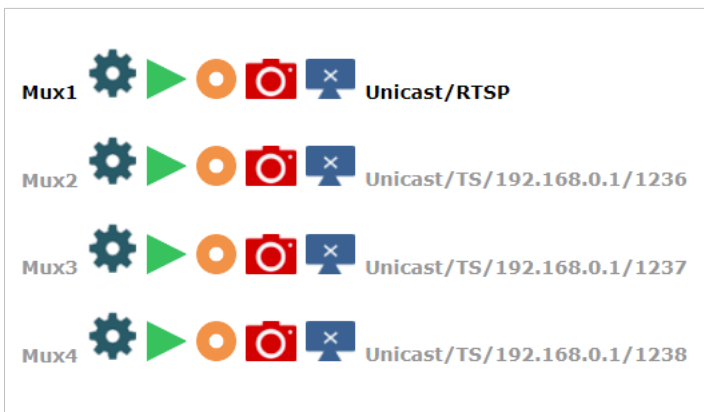
The webpage of the ANT-1773 shows that Mux1 is streaming, as shown in Figure 3.

Figure 3 : Mux1 streaming



When the command is sent, by clicking "Send", as highlighted in Figure 2, Mux1 is set to stop streaming, as shown in Figure 4,

Figure 4 : Mux1 not streaming



## 2.1. Mux1 start

### 2.1.1. command

Using the API guide, refer to section "2.43 Set Streaming Operation", on page 37 the command to start mux1 from streaming is:

0x2B020001

This is made up of the data shown in Table 4.

Table 4 : Mux1 start command

Field name	Value
Message ID	43 = 0x2B
Data length	02
Mux number	00
Start operation	01

To send this command you require the addition information, as shown in section "1.7 Message Format" on page 10.

Table 5 : Mux1 start command with required additional "header" information

Message Section	Field name	Value	Comments
Message Header	Message Sync	A5	
	Message ID	2B	From the data in Table 1
	Check Sum	xx	To be created
	Data Length	02	From the data in Table 1
Message Data	Start Mux1	43020001	

The complete command will be:

A52BD3020000

So, in this example the data is made up as shown in

Table 6 : Complete Mux1 start command

Message Section	Field name	Value	Comments
Message Header	Message Sync	A5	
	Message ID	2B	From the data in Table 1
	Check Sum	D3	
	Data Length	02	From the data in Table 1
Message Data	Mux1	00	
	Start operation	01	

### 2.1.2. Example

The Hex value for the complete commands - A52BD3020000 – is placed in the HEX field in packet Sender, as "Send" clicked as indicted in Figure 2.

The webpage of the ANT-1773 now shows that Mux1 is streaming, as shown in Figure 5.

Figure 5 : Mux1 streaming

