

# Port Usage of ANT-6000E and ANT-6000D (Up to F/W ver 400.xx or before)

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## Synopsis

This document contains the ports required to open in firewalls / NAT devices to allow the ANT-6000E to communicate with the ANT-6000D for firmware **up to and including ver 400.xx**. At the time of writing the current firmware is 400.02.4.

This communication is 1-way video, 2-way audio and 2-way serial data.

If a feature is not required then the port is not required to open / allowed.

It is also allowable to not to open the mandatory port if audio from the ANT-6000E to the ANT-6000D is not required, as mentioned in sections 1 and 2.

For further help and advice please contact Antrica on:  
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## Document info

Version	date	author	Comments
1.0	22-Jul-20	David M	Initial release – based on pdf Ver : 0.5, 2018-07-10

If one or both of the ANT-6000E and ANT-6000D are located under the NAT, you should set port forwarding in the NAT equipment accordingly.

If the ANT-6000E is located under the NAT, refer to the <TX ← RX> column in the tables below. And, if the ANT-6000D is located under the NAT, refer to the < TX → RX > column in the tables below.

## 1. P2P Unicast Mode : ANT-6000E vs ANT-6000D

Port Number	Data Type	TX ← RX	TX → RX
UDP Port 19877	Info channel		mandatory
UDP Port 19876	Info channel	mandatory	
UDP Port 19000	Video Stream / Video Control	mandatory	mandatory
UDP Port 8000	Virtual Serial Data (for RS232 or RS422)	*1) optional	*1) optional
UDP Port 4950	Audio Stream		mandatory
UDP Port 49500	Back Audio Data	*4) optional	

\*1) You need to use UDP 8000 for Virtual Serial feature.

\*4) You need to use UDP 49500 for Back Channel Audio feature.

## 2. P2P Multicast Mode : ANT-6000E vs ANT-6000D

Port Number	Data Type	TX ← RX	TX → RX
UDP Port 19877	Info channel		mandatory
UDP Port 19000	Video Stream / Video Control	mandatory	mandatory
UDP Port 8000	Virtual Serial Data (for RS232 or RS422)	*1) optional	*1) optional
UDP Port 4951	Audio Stream		mandatory

\*1) You need to use UDP 8000 for Virtual Serial feature.

## 3. TS2UDP Unicast Mode : ANT-6000E vs ANT-6000D

Port Number	Data Type	TX ← RX	TX → RX
UDP Port 19877	Info channel		mandatory
UDP Port 19876	Info channel	*2) optional	
UDP Port 1234	Video / Audio Stream		mandatory
UDP Port 19000	Video control	*3) mandatory / optional	
UDP Port 8000	Virtual Serial Data (for (RS232 or RS422)	*1) optional	*1) optional
UDP Port 49500	Back Audio Data	*4) optional	

\*1) You need to use UDP 8000 for Virtual Serial feature.

\*2) You need to use UDP 19876 port for monitor adaption feature.

\*3) You need to configure ANT-6000E to GOP mode not to use UDP 19000 port.

\*4) You need to use UDP 49500 for Back Channel Audio feature.

## 4. TS2UDP Multicast Mode : ANT-6000E vs ANT-6000D

Port Number	Data Type	TX ← RX	TX → RX
UDP Port 19877	Info channel		mandatory
UDP Port 1234	Video / Audio Stream		mandatory
UDP Port 19000	Video control	*3) mandatory / optional	
UDP Port 8000	Virtual Serial Data (for (RS232 or RS422)	*1) optional	*1) optional

\*1) You need to use UDP 8000 for Virtual Serial feature.

\*3) You need to configure ANT-6000E to GOP mode not to use UDP 19000 port.

## 5. TS2UDP Unicast Mode : ANT-6000E vs VLC

Port Number	Data Type	<b>TX ← VLC</b>	<b>TX → VLC</b>
UDP Port 1234	Video / Audio Stream		<b>mandatory</b>

You should configure ANT-6000E to GOP mode for this case.

## 6. TS2UDP Multicast Mode : ANT-6000E vs VLC

Port Number	Data Type	<b>TX ← VLC</b>	<b>TX → VLC</b>
UDP Port 1234	Video / Audio Stream		<b>mandatory</b>

You should configure ANT-6000E to GOP mode for this case.