



SONITROL[®]
 VERIFIED ELECTRONIC SECURITY



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Product Affected FlexIP and iBase
Purpose A brief article that assists in the deployment of a Sonitrol FlexIP or iBase panel from a network perspective.

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Summary

The FlexIP and iBase control panels may be configured to operate in one of two methods, Plug & Play (preferred), and Legacy. Refer to the following network requirements for each scenario depending on how the panel is configured to operate (Plug & Play, or legacy).

Sonitrol Central Station Network Information

Fill in the following fields using the information provided by the Central Station, these values are used by the network requirements tables in this document.

Fill In All Central Station Network Info Here	
Receiver 1 Public IP Address	
Receiver 1 Port (default= 9000)	
Receiver 2 Public IP Address	
Receiver 2 Port (default= 9000)	
SONIP 1 Public IP Address	
SONIP 2 Public IP Address	
Audio Streaming Port Range Start	
Audio Streaming Port Range End	
Plug & Play Port (default = 11000)	
UDM Port (default = 11500)	

Plug & Play Network Requirements

The preferred method of IP communication, because of its minimal network requirements, and ease of setup. Panels use Plug & Play by default when IP is enabled. A panel using Plug & Play rarely requires adjustments to the subscribers network appliances, because most networks allow outbound traffic. This method is also more secure from a network design perspective, since it is not dependent on inbound firewall rules.

Table 1: Plug & Play Network Requirements

Plug & Play Subscriber Network Requirements					
UDP session time out on the subscriber's firewall greater than 30 seconds is required for default Plug & Play communications to function properly. If the UDP session time out is less than 30 seconds then the panel must be configured with an IP PER TEST TIMER value of 5 seconds less than the customer's actual UDP session time out.					
Direction	Protocol	Source Port	Destination Port	Destination Address	Purpose
Outbound	UDP	6100 (FlexIP) 6000 (iBase)	Receiver Port (default= 9000)	Receiver 1 Public IP Address Receiver 2 Public IP Address	Receiver
Outbound	UDP	7002	Audio Streaming Port Range	SONIP 1 Public IP Address SONIP 2 Public IP Address	Audio Streaming
Outbound	UDP	7003	Plug & Play Port (default= 11000) UDM Port (default= 11500)	SONIP 1 Public IP Address SONIP 2 Public IP Address	PnP Keep Alive, Uploads/Downloads

Legacy IP Network Requirements

In cases where Plug & Play cannot be used, legacy IP network requirements shall be used. To use Legacy IP communication with a FlexIP or iBase panel, set the IP PER. TEST TIMER to 00:00, and disable DHCP. This configuration is often more difficult to deploy from a network appliance perspective, especially so when considering the configuration of inbound NAT policies and port forwarding.

Table 2: Legacy Network Requirements

Legacy IP Communications Subscriber Network Requirements						
Direction	Protocol	Source Address	Source Port	Destination Address	Destination Port	Purpose
Inbound	UDP	SONIP 1 Public IP Address SONIP 2 Public IP Address	Any	Sonitrol Panel	7001 - 7002	Uploads/Downloads and Commands
Outbound	UDP	Sonitrol Panel	6100 (FlexIP) 6000 (iBase)	Receiver 1 Public IP Address Receiver 2 Public IP Address	Receiver Port (default= 9000)	Receiver
Outbound	UDP	Sonitrol Panel	7001 – 7002	SONIP 1 Public IP Address SONIP 2 Public IP Address	Any	Audio Streaming

Note: All inbound traffic is destined to the last known public IP address that the panel sent data from. This limitation may affect larger enterprise customers who use more than one ISP at a facility. The network appliance must direct traffic so that the panel sends and receives using the same public interface.