

# Picturall Mark II

## TCP and UDP ports used by Picturall Mark II Media Servers

Firmware v3.4.x of higher



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# Ports used by Picturall Mark II Media Servers

The product requires specific ports to be available. If there is a firewall running you can (a) disable the firewall or (b) add the following ports to the firewall exceptions:

PORT	TYPE	SERVICE
20	TCP	FTP
21	TCP	FTP
22	TCP	SSH
80	TCP	HTTP
111	TCP/UDP	Remote procedure call
319		Dante audio (external port)
320		Dante audio (external port)
954	UDP	Remote procedure call
4321		Dante audio (external port)
4440		Dante audio (external port)
4444		Dante audio (internal port)
4445		Dante audio (external port)
4809	UDP	CITP
4811	TCP	CITP
5353		Dante audio (external port)
5353	UDP	NDI (Version 5), mDNS communication and multicast
5432	TCP	Postgresql
5960	TCP	NDI (Version 5)
5960 (and up)	UDP	NDI (Version 5). Shared with TCP connections. One port is needed per NDI process running (not one port per NDI connection).
5961 (and up)	TCP	NDI (Version 4). For each current connection, at least one port number will be used in this range.
6005	TCP	X11:5
6454	UDP	ArtNet
6960 (and up)	TCP/UDP	NDI (Version 4). Multi-TCP/UDP receiving: at least one port will be used for each connection.
7960 (and up)	TCP/UDP	NDI (Version 4). Multi-TCP/unicast-UDP/multicast UDP sending: at least one port number will be used for each connection.
8001		Dante audio (internal port)
8000-8002		Dante audio (external ports)
8700-8708		Dante audio (external ports)
8753		Dante audio (internal port)
8800		Dante audio (external port)
8900		Dante audio (internal port)
11000	TCP	Picturall command interface
11001	TCP	Picturall binary data interface
11002	UDP/TCP	Picturall network timecode / clock synchronization

11008	TCP	Picturall system sync service (local use only)
11009	UDP	Picturall discovery protocol (multicast)
14336-14591		Dante audio (external ports)
22350	UDP	Copy Protection System
30000-30300	TCP	FTP

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