

TCP/IP - Control Protocol



Power Amplifier

TCP/IP API - Control Protocol

PA firmware version: 4.20r1 and beyond

Document History :

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This document describes the TCP/IP API Protocol for the PA family of StormAudio Immersive Amplifiers.

TCP connection overview [↗](#)

Connection [↗](#)

Any device capable of opening a TCP connection and sending character string data can communicate through the TCP API. The PA listens to port 23 (Telnet) for incoming connections.

Message format [↗](#)

Commands are sent/received as ASCII strings, and must be terminated by <LF> ("`\x0A`" is the escaped hexadecimal Line Feed, the equivalent of "`\n`").

Message responses [↗](#)

Any valid command will be confirmed with a reply. See below for details on the exact format of reply messages for each command.

⚠ NOTE: Any command not recognized, or that is out of range will result in the text string "error" being returned.

If any parameter accessible by the API is changed by another process or interface, the new value will be broadcasted to all connected devices.

API Commands [↗](#)

Control group [↗](#)

Ping [↗](#)

You can send at any time a ping command in order to check if the server is still alive.

Command	Description	Response
ssp.ping	Check if server is still alive.	ssp.pong

Power [↗](#)

Sleep mode power command.

Command	Description	Response
ssp.power	Read current power status.	ssp.power.xx, where "xx" is "on" or "off".
ssp.power.on	Take device out of sleep mode.	ssp.power.on
ssp.power.off	Put device into sleep mode.	ssp.power.off

Close Connection [↗](#)

Closing a connection will terminate the TCP connection.

⚠ NOTE: This will not shutdown the API application. Upon reestablishing a TCP connection, all current values will be transmitted to the connecting device, and all groups will be enabled.

Command	Description	Response
ssp.close	Close TCP connection.	ssp.close