



7thSense Comms

Delta, Juggler, Compere Ports

User Guide



Delta, Juggler, Compere Ports : User Guide

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Introduction

Users of 7thSense systems – Delta Media Server, Delta software, Delta Webservice, Stack web apps, Juggler and Compere – will need to pay some attention to any potential conflicts on communications ports. Some ports are user-configurable, others are not, so this summary guide, the contents of which are also contained in respective user guides, will help you avoid conflicts.

Network Ports Used by Delta Server

The following is a list of network ports used by Delta Media Server and its supporting hardware and software.

Software/Hardware	Executables	Network Port(s)
DeltaServer	Deltaserver.exe	23 (TCP – Multi Telnet, default of 5 simultaneous connections) 24 (TCP – Telnet – deprecated in favour of Multi Telnet) 25 (TCP – Telnet – deprecated in favour of Multi Telnet) 26 (TCP – Telnet – deprecated in favour of Multi Telnet) 7001 (TCP – Command Port) 7002 (UDP – search port) 7003 (UDP – timing port) 7005 (UDP – transport server port) 7776 (UDP – Delta Multicast port) 7777 (UDP – Delta search) 7778 (UDP – Delta search response) 7780 (UDP – External Control Read port) 7781 (UDP – External Control Write port) 7878 (UDP or TCP – WebRTC preview video stream)
(group) Timing Controls Distribution (TCD) mode	Deltaserver.exe	TCP – A unique TCD Base Port (2000) + Group (34), would give 2034 UDP – TCDBasePort + Group + 1 (using the above example = 2035)
Web RTC Signalling Server	node.exe	7878
DeltaGUI	DeltaGUI.exe	7001 (TCP – command port) 7002 (UDP – search port) 7003 (UDP – timing port)
Stack web interface	node.exe (multiple instances) httpd.exe WebKit2WebProcess.exe	8000, 80, 8080
Stack 1.1	node.exe	8888 (Stack 1.1 discovery)
StackExpress	node.exe	3000 ()
StackSignage	node.exe	7654 (StackSignage Player) 8085 (StackSignage Media Sync) 8084 (StackSignage Snapshot) (Note all StackSignage ports are configurable)
7thClosedCaptionTrigger	7thclosedcaptiontrigger.exe	UDP – 7880 TCP – 1337

Software/Hardware	Executables	Network Port(s)
DeltaAudio	Deltaaudio.exe	Delta > DeltaAudio – 3476 DeltaAudio > Delta – 3477
DeltaMonitor	Deltamonitor.exe	7790
DeltaPreview	Deltapreview.exe	8484 (DeltaPreview from Delta 2.7)
DeltaShowControlInterface (with Advantech ADAM-6000 series)	DeltaShowControlInterface.exe	5168 (AdamPort)
7thUDP2TCP	7thUDP2TCP.exe	customizable
7thSenseBackPack	Backpack.exe	N/A
7thUDPAppLauncher	7thudpaplauncher.exe	customizable
7thSense DeltaLTC	DeltaLTC.exe	customizable
DeltaArt-Net	DeltaArtNet.exe	From Delta 2.6.73: 6454 (Output) 6455 (Input) Previous Delta versions, both on 6454
7thRS232Tx	7thRS232Tx.exe	customizable
7thProjectorCalibration	7thProjectorCalibration.exe	N/A
Soundman Server	soundman-server.exe	20000
Distributed File Manager (DFM)	DFM.exe	TCP – 23
RAID7th	Raid7th.exe	Delta > R7th – 3496 R7th > Delta – 3497
7thConnect	7thconnect.exe	Talks to Delta on TCP port 23
Dante Control & Monitoring		UDP – 8700, 8701, 8702, 8703, 8705, 8707, 8708, 8800
Delta Timecode Translator	DeltaTCT.exe	customizable
LTCReader	LTCReader.exe	20000
Dante Discovery	mDNSResponder.exe	The Dante Discovery service (the service that automatically discovers Dante devices on the network) requires that the 'Dante mDNSResponder' application is allowed access through the firewall (this is a per-application rule, rather than a per-port rule).
Dante Unicast Audio		UDP – 14336-14600
Dante Virtual Soundcard		UDP – 319, 320, 4321, 4440, 4444, 4455, 8001, 8002
Dante Controller Metering		UDP – 8751
Dante Controller	dantecontroller.exe	8751, and also relies on Dante Discovery and ConMon.
Scalable Camera Server	ScalableCameraServer.exe	–

Software/Hardware	Executables	Network Port(s)
Scalable Command Line Calibrator	CommandLineCalibrator.exe	–
Scalable Control Panel	ScalableControlPanel.exe	–
Scalable Display Client	DisplayClient.exe	–
UltraVNC	uvncviewer.exe uvncserver.exe	5900

Ports Used by Juggler and Compere

Function	Configurable	Port
Compere UDP	Default, editable via comms.ini or in Preferences	9999
Compere TCP	Default, editable via comms.ini or in Preferences	5555 5553 (early versions of Compere)
Juggler Console TCP	Fixed	9013
Multicast discovery UDP	Fixed	5353
External control comms, default UDP receive port	Yes, in Preferences	8001
External control comms, default UDP transmit port	Yes, in Preferences	8002
UDP Console Rx	Reserved	9004
UDP Console Tx	Reserved	9005
Compere Discovery (Rx)	Fixed	9101
Compere Discovery (Tx)	Fixed	9102

It is important to make sure the UDP and TCP ports match between all instance of Compere in a system that need to communicate with one another.

Document Information

Date	Document edition	Software version	Revision Details	Author/Editor
September	1	N/A	New release	Andie Davidson

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