PROFUSION iS/iO/iH NETWORK REQUIREMENTS

IMPORTANT NOTE: This document is informational only and geared toward IT technicians and system administrators. It is not intended to provide or imply any advice regarding network configuration, security, performance or equipment. This document contains basic technical networking information about Mood Media ProFusion devices platforms and network configuration considerations in order to successfully communicate with Mood Media update servers, client owned update servers and/or internal networks where applicable.

LAN CONNECTION

+ Ethernet port 10/100 MBps
+ Cat5 RJ45 or better
+ Wireless Adaptor Optional

INTERNET CONNECTION SPEED REQUIREMENTS

Consistent bandwidth of 1Mbs or more is ideal for all Mood Media audio streaming services.

150 Kbps is the minimum recommended bandwidth for all configurations. ProFusion devices can be throttled as low as 64 Kbps to meet extreme bandwidth limitations for time-boxed and infrequent periodic updates.

Streaming & Dynamic playlist modification (continuous connection):
+ Each Mix Pro Device: 1Mbs ideal, 512Kbs Minimum
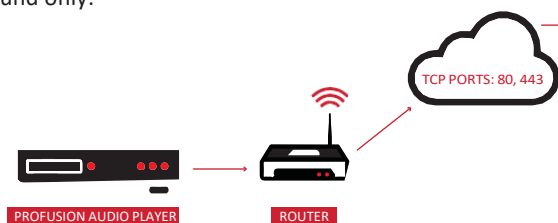+ Social Mix: 150Kbs Minimum

Single program updates/Log Files (intermittent connection):
Non Mix devices with stored content can be throttled and time-blocked to prevent call outs to Mood Media servers. Can be configured with FTP/SFTP

+ Ideal 150Kbs.
+ Minimum 64Kbs

Heartbeats use minimal bandwidth (8Kbs) and will take advantage of either continuous or intermittent connectivity for status updates & monitoring.

All updates, heartbeats and other connections to the Mood servers are initiated from the Mood Media ProFusion device - Outbound only.

PORTS

NOTE: Most ProFusion devices port assignments are based on generally accepted port standards and are not re-configurable, with the exception of Proxy configuration where the port assignment can be assigned from the ProFusion devices.

HTTPS Protocol
+ Requires DNS
+ Ports 443, 80

FTP Protocol
+ Port 21 must allowed for FTP connections, as well as an ephemeral port range (actual port range:1025-65535) to allow data transmission. At the time of this writing ProFusion devices only support passive FTP and will not connect via active FTP configurations.

SFTP Protocol
+ Port 22 must be allowed for SFTP connections.

Heartbeat Functionality
+ Ports 443, 80 externally

SERVER ADDRESSES

MIX / MIX PRO:
s3.aws.amazon.com (Floating IP)
mix.moodmedia.com (23.23.195.56)

US UPDATE SERVERS:
fm-wdav-01.moodmedia.com(199.204.61.120)
update-profusion.moodmedia.com (35.169.134.120)
35.169.134.120 – only SFTP & HTTPS protocols
US HEARTBEAT: 184.73.209.217

EU UPDATE SERVER: upd-eu-1.moodmedia.com (193.226.133.17)
EU HEARTBEAT: 193.226.133.20

AUSTRALIA UPDATE SERVER: pubftp.moodmedia.com.au (61.68.11.242)
AUSTRALIA HEARTBEAT: heartbeat.moodmedia.com.au (61.68.11.243)

Mood Content & Control Centers — Mood Mix
TCP PORTS: 80, 443
HEARTBEAT
PROFUSION AUDIO PLAYER — ROUTER — CONTENT SERVER — UTILITY DEVICE CONTROL — MIX CONTENT SERVER — API / WEB