

# Serenade Network Requirements

## PlayNetwork Audio Media Player

### Serenade Topology Requirements

- Ports 22 & 11024 (TCP) needs to be allowed outbound.
- The following addresses need to be white listed if applicable.
  1. Music.playnetwork.com (66.193.39.217)
  2. Status.playnetwork.com (66.193.39.218)
- Optional: Port 123 (UDP) allowed outbound for NTP to either music.playnetwork.com or your preferred NTP server.

### Serenade Topology Operation

- Media players send periodic status messages via ports 22 and 11024.
- They pull content via ports 22 and 11024 during their scheduled update window
- Additionally can perform time sync operations over port 123 from the music content server.

### Serenade Network Diagram

