

# Network Requirements

Rockbot is a dynamic streaming service that operates in real-time. The Rockbot Media Player requires an outbound internet connection at all times. Below is information to ensure optimal performance from your Rockbot service.

## Network Settings

By default, the Rockbot Media Player will connect via DHCP to dynamically pull network settings.

If required, a static IP and custom network settings can be configured. Please contact support@rockbot.com for more info.

The Rockbot Media Player with WiFi supports 802.11a/b/g/n protocols and WPA/WPA2 encryption.

## Outbound Port Requirements

All required network traffic is initiated by the Rockbot Media Player and over the following ports:

80 TCP, 443 TCP (SSL), and 123 UDP (NTP)

## Bandwidth Requirements

Approximately 30kbps downstream bandwidth is required by the Rockbot Media Player.

Upstream bandwidth utilization is negligible.

A broadband connection > 1 Mbps is suggested for optimal performance.

The Rockbot Media Player monitors its own bandwidth availability. If low-bandwidth is detected, the Rockbot Media Player will automatically suspend streaming and seamlessly fall-back to playing music from local storage, with no interruption to music.

## Firewall Allow List

The following URLs must be accessible:

http(s)://rockbot.com

http(s)://display.rockbot.com

http(s)://dashboard.rockbot.com

http(s)://api.rockbot.com

http(s)://s.rockbot.com

http(s)://cdn.rockbot.com (Amazon CDN)

http(s)://d2x3f3hu3pbot6.cloudfront.net (Amazon CDN)

http(s)://roqbot.s3.amazonaws.com (Amazon CDN)

http(s)://secure.cdn.wearevl.com

time.brightsignnetwork.com (NTP Server)

## Security

All network requests are initiated from the Rockbot Media Player (outbound) via HTTPS.

All traffic is encrypted with TLS 1.2 protocols utilizing 256 bit SSL ciphers.

No open inbound ports required.