

# Network Requirements & Firewall Configuration

BigMarker Technical Specifications Guide (Updated)

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*Please use this guide to configure your network for the BigMarker platform. Following these three levels ensures proper connectivity and media streaming quality.*

## 1. General Domain Policy

- **Allow Domain:** \*.bigmarker.com
- **Note:** IP addresses are dynamic. Firewall rules must be based on the domain/wildcard above.

## 2. Port Requirement Tiers

### Tier 1: Absolute Minimum (Basic Connectivity)

Required just to load the application and establish a secure session.

- **TCP 443:** Secure web traffic and signaling.
- **UDP 53:** Essential for DNS resolution.

### Tier 2: Better (Stability & Media Optimization)

Required for reliable audio/video streaming and fallback redirects.

- **TCP 80:** Handling redirects and standard web protocol.
- **UDP 80 & 443:** Optimized WebRTC media streaming to reduce lag.

### Tier 3: Best (Maximum Performance)

The standard for presenters and low-latency environments.

- **UDP 1025 - 65535:** Full range for WebRTC, enabling direct media paths.

### 3. Explicit Rule Summary Table

Tier	Port / Protocol	Direction	Requirement
<b>Minimum</b>	TCP 443, UDP 53	IN/OUT	Application Load & DNS
<b>Better</b>	TCP 80, UDP 80, UDP 443	IN/OUT	Stable Media Streaming
<b>Best</b>	UDP 1025-65535	IN/OUT	High-Definition / Low Latency

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Reference: BigMarker System Requirements (kb.bigmarker.com) • IPv6 traffic should follow these same rules.