



# **BEST PRACTICE GUIDE**

**Bettar B-Show**

**and**

**NETGEAR Wireless Access Point**

## Best Practice Guide: Bettar B-Show and NETGEAR Wireless Access Point

This guide will help you set up your Bettar B-Show with a NETGEAR Wireless Access Point for optimal performance.

### NETGEAR Wireless Access Point (WAX610/620/630)

#### 1. Transmit Power

- a. Set the transmit power to 100% allowing for maximum signal coverage.
- b. Configuration > Wireless > Basic > Wireless Settings > Output Power > 100% (Max).

#### 2. Frequency Band

- a. Use the 5GHz frequency band where possible. It supports more channels, has a wider channel width, less interference, and a higher data rate.
- b. Configuration > Wireless > Basic > Wireless Settings > 5GHz > Turn Radio On.

#### 3. Channel Width (HT Mode)

- a. For demonstration setups (temporary use): Set to 20MHz.
- b. For permanent installations: Set to 40MHz for better performance.
- c. Configuration > Wireless > Basic > Wireless Settings > Channel Width.

#### 4. Channel Selection

- a. Use a frequency scanner if possible and select a wireless channel number that has limited interference with other wireless networks.
- b. Configuration > Wireless > Basic > Wireless Settings > Channel.

#### 5. Multi-User Multiple-Input Multiple-Output (MU-MIMO)

- a. Enable this feature to allow the AP to simultaneously transmit data to multiple devices.
- b. Configuration > Wireless > Advanced > Enable MU-MIMO for 2.4GHz & 5GHz.

#### 6. Client Limits

- a. Leave the client limit set to 200, which is the default.
- b. Configuration > Wireless > Advanced > Max. Wireless Clients.

#### 7. Multicast/Unicast Settings

- a. For large venues with 100+ users, select Multicast. This allows efficient streaming to many devices.
- b. In smaller venues with less than 100 users or where performance is the main priority, select Unicast.
- c. Configuration > Wireless > Basic > WLAN Settings > SSID Name > Advanced > Traffic Policy > Allow Broadcast/Multicast Traffic.

#### 8. Hidden SSID

- a. This will prevent your Wi-Fi network from appearing in the list of Wi-Fi networks.
- b. Configuration > Wireless > Basic > Broadcast SSID > No.

#### 9. Client Isolation

- a. Turn this on to prevent connected devices from communicating with each other on the network, thereby enhancing security and performance.
- b. Configuration > Wireless > Basic > Wireless Client Isolation > Enable.

## Bettar B-Show

### 1. Stream Latency Buffer

- a. Force stream buffering at the client-side; useful for adding stability and/or to match latency.
- b. Recommended buffer values are between 50ms and 200ms.
- c. Stream Configuration > Latency > Enter Latency.

### 2. Multicast/Unicast Settings

- a. For large venues with 100+ users, select Multicast. This allows efficient streaming to many devices.
- b. In smaller venues with less than 100 users or where performance is the main priority, select Unicast.
- c. Unicast Mode > Enable/Disable.

### 3. Use One B-Show per Access Point

This is recommended for secure, uninterrupted streaming.

**Note** that the Bettar application is not officially supported on iPads.

By following these steps, you now have a secure and high-performance setup for your Bettar B-Show and NETGEAR Wireless AP.