

# BlueParrott B450-XT BPB-45020

## How far can I move away from my smartphone while still staying within Bluetooth range?

Two factors affect the wireless range between your smartphone and BlueParrott headset:

1. The Bluetooth power class that your devices use.
2. The surrounding obstacles and electromagnetic interference (EMI).

### Bluetooth Power Class

The Bluetooth range between your paired devices is determined by the Bluetooth power class that each device uses:

- Class 1 – up to 100m/300ft
- Class 2 – up to 10m/30ft

When two devices are paired, the wireless range is limited to the range of the *least* powerful device. For example, a Class 1 device paired with a Class 2 device result in a Class 2 wireless range. Due to the effect on battery consumption, the vast majority of smartphones use Bluetooth Class 2. This means that you can expect Class 2 wireless range, even if the connected BlueParrott headset supports Class 1.

### Obstacles and electromagnetic interference (EMI)

The wireless range can also be reduced by obstacles and electromagnetic interference (EMI) in your surroundings:

- If you are indoors, other electronic devices, walls, and furniture may reduce the Bluetooth signal. Outdoor use, without obstacles and EMI, usually results in greater wireless range.
- If you leave your smartphone inside your vehicle and walk away from it (for example, if you leave a truck cab and walk behind the trailer) you

may experience loss of audio. If you take your smartphone with you, the Bluetooth audio device you are using will always remain within range.