

About Coverage & Range









Question

Solution

How far will my BizTalk Radio go? What is the coverage-range?

Business radios are generally measured on how well they will cover a typical work environment, like the size of a warehouse or height of a building.

Basically, the more transmit power the radio has the greater the coverage area will be.

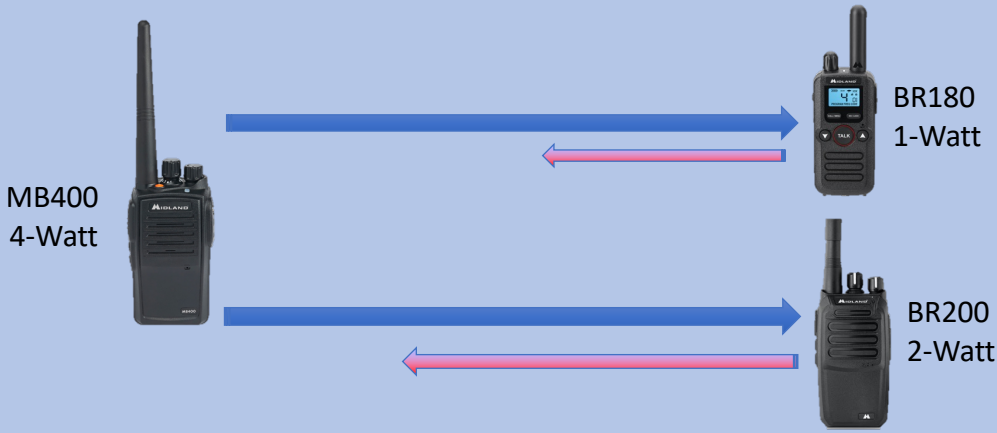
Output Power UHF Analog	1 Watt	1.5 Watt	2 Watts	4-5 Watts
BizTalk Model	LXT600BB BR180	Not Offered	BR200	MB400
Square Feet (up to)	 200,000 sq. ft.	 225,000 sq. ft.	 250,000 sq. ft.	 350,000 sq. ft.
Floors (up to)	 Up to 15 Floors	 Up to 17 floors	 Up to 20 floors	 Up to 30 Floors

Actual coverage will vary based on work area conditions. Obstructions such as metal, concrete, and wood, can affect RF transmissions and reduce the effective coverage area.

Notes:

1. Having a lot of power is not always the best solution in a business environment.
2. It is better to match the TX power to the work area, as not to “overpower the neighbors” and keep cost down, ROI up.

TIP: Make sure they are on High power with a fully charged battery to get the max range.

Question	Solution
<p>The other person can hear me, but I can't hear them.</p>	<ol style="list-style-type: none"> 1. Check the power output of the other radio. It may not have enough power to reach back to you.  <ol style="list-style-type: none"> 2. Make sure your radio is On and the volume is turned up. 3. Make sure you are within range of the other radio. 4. Make sure your radio is set to HI Power and the battery is fully charged. 5. Make sure both radios are set to the same frequency and code.
<p>I can hear the other person, but they can hear me.</p>	<p>Make sure the radios have matching Privacy Codes.</p> <p><u>Why?</u> Radios that are not using a Privacy Code will be able to hear "All" transmissions on the same frequency. (This is referred to as "Open Squelch".)</p> <p>Although you can hear them, they will not be able to hear you because you do not have a matching Privacy Code.</p> <p>Solution: Reprogram your radio with the matching Privacy Code.</p>