

# Echo 51 Transmitter

The Echo 51 transmitter is a unique design that offers an exclusive dual-coil antenna. This patent pending design offers an industry first transmitter that can not only run in Sub-kHz frequencies, which can essentially make rebar and wire-mesh in concrete disappear, but also switch to high frequencies with a tap of a button.

Starting with a Sub-kHz frequency of 300Hz and moving through 15 more frequencies to a high of 41kHz, this transmitter can be your everyday workhorse taking you from a parking garage to a canal crossing without having to change transmitters. With a one year warranty and a 3 year pro-rated replacement plan, this transmitter will increase your productivity, and your bottom line.



Bluetooth connectivity for frequency and power selection above ground.

Switch all 16 frequencies and 2 power levels down hole with clock sequence.

For best performance, use UMag primary lithium cells or UMag rechargeable lithium batteries.

Frequency kHz	Frequency Name	Range Power X1 Standard lithium primary cell	Battery Life Power X1 Standard lithium primary cell	Range Power X4 Standard lithium primary cell	Battery Life Power X4 High lithium primary cell
0.325	K32	30 ft.	60 hours	40 ft.	20 hours
0.625	K62	40 ft.	60 hours	50 ft.	20 hours
1.175	1K2	60 ft.	60 hours	70 ft.	20 hours
2.375	2K4	70 ft.	60 hours	85 ft.	20 hours
3.875	4K	100 ft.	60 hours	120 ft.	20 hours
6.925	7K	110 ft.	60 hours	130 ft.	20 hours
9.925	10K	120 ft.	60 hours	150 ft.	20 hours
11.725	12K	120 ft.	60 hours	150 ft.	20 hours
15.875	16K	120 ft.	60 hours	150 ft.	20 hours
18.875	19K	120 ft.	60 hours	150 ft.	20 hours
21.575	22K	120 ft.	60 hours	150 ft.	20 hours
24.925	25K	120 ft.	60 hours	150 ft.	20 hours
27.925	28K	120 ft.	60 hours	150 ft.	20 hours
30.875	31K	120 ft.	60 hours	150 ft.	20 hours
35.925	36K	120 ft.	60 hours	150 ft.	20 hours
41.375	41K	120 ft.	60 hours	150 ft.	20 hours