

# gotenna PRO

SPEC SHEET FOR PRO & PRO X

GENERAL SPECIFICATIONS	VHF	UHF
Radio Dimensions HxWxD	5.5 x 1.2 x 0.75 in	
Weight	2.75 oz	
FCC ID	2ABVK37337	
IC ID	21842-37337	
CE	Approved*	
Intrinsic Safety	Class I Division 2, Groups A, B, C and D, T4	
<b>BATTERY</b>		
Battery Life (Standby)	Up to 44 hours	
Battery Life (Nominal)	Up to 9 hours**	
Battery Capacity	LiPo, 474mAh, 3.51Whr	
Charge Time	3 Hours	
<b>RECEIVER</b>		
Frequency	142 to 175 MHz	445 to 480 MHz
Channel Spacing	6.25kHz, 12.5kHz, 25kHz (User Selectable)	
Frequency Stability (-30°C, +60°C, +25°C Ref)	2.5ppm	
Digital Sensitivity (1% BER)	-110 dBm	
<b>TRANSMITTER</b>		
Frequency	142 to 175 MHz	445 to 480 MHz
Channel Spacing	6.25kHz, 12.5kHz, 25kHz (User Selectable)	
Frequency Stability (-30°C, +60°C, +25°C Ref)	2.5ppm	
Low Power Output	0.5 W	
High Power Output	5 W	
Modulation	4GFSK (Digital)	
<b>ENVIRONMENTAL SPECIFICATIONS</b>		
Operating Temperature	-20 to 60 C	
Storage Temperature	-30 to 60 C	
<b>ADDITIONAL</b>		
Antenna	0 dBi gain, Linear, Rubber Duck	0 dBi gain, Linear, Rubber Duck
Mesh Networking protocol	Aspen Grove™	
Hop limit	6	
Payload size	235 Bytes Max	
Bluetooth	BLE 5.0 & BLE 4.0+	
USB port	Micro USB 2.0	

\* See: <https://www.gotenna.com/pages/legal>

\*\*Depends on number of units in the network, number of hops, and how often transmission occurs

