

# EndoGear®



## Remote Transceiver

**EndoGear® Transceivers transmit and receive telemetry signals** to and from the Implant. They facilitate two-way communication by sending commands – such as on/off cycling or set timed/triggered recording sessions – directly to the implant using the ISM RF band, without disturbing the animal subject. Transceivers can change frequency channels based on the implants they communicate with, allowing for flexibility in protocol design. Transceivers also house the barometric sensors that monitor environmental changes in ambient pressure near the animals. This delta offset can then be eliminated in your acquisition system to provide the most accurate pressure data.



Remote Transceiver Specifications	
Family Model Number	EG-RM
Communication Type	Direct RF Point to Point Communication via ISM Band
Communication Frequency	915Mhz - 902Mhz to 928Mhz (44 channels)
Numbers of Implants Managed	Single
Frequency Switching Capacity*	Yes
Transmission Distance	3-5 m
Physical Dimensions	117 mm x 79 mm x 24 mm (LWH)
Connection Types	SMA X 2, RJ45
Antenna Type	Monopole, Other antenna types can be attached
Cable Connection to Base Station	10 ft RJ45 cables
Notes:	For simultaneous measurements, the number of transceivers and base stations must match the number of implants.  For accurate barometric subtraction, place the transceiver in the same atmospheric pressure as the implant.



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