

ProRX-1 Operational Description

The FieldPro ProRX-1 receiver is a component of a low power communications device used to remotely control a game bird ejection device. The bird ejection device incorporates the FieldPro ProRX-1 receiver and a detachable metal birdcage. The complete system consists of receiver/birdcage and a hand held transmitter (ProTX-1, FCC ID: O2CPR0TX-1). The FieldPro system is designed to aid in training of hunting dogs. The major objective of the FieldPro system is to train the dog to point at hidden game birds obscured in brush without disturbing the bird. The bird can be remotely released with this system if the dog approaches too quickly or closely, thus providing correct training reinforcement for the dog.

The FieldPro ProRX-1 receiver operates at 418 MHz and is designed around a Linx RXM-418-LC receiver module. The receiver is designed to receive pulse coded (on-off keying) provided by the FieldPro TX-1 transmitter. Receivers are available each with different coding options so that a single hand held transmitter can control up to four different receiver/birdcage's. The transmitter is equipped with four momentary contact push buttons to operate the transmitter and associated receiver/birdcage. The receiver incorporates a 10.7 MHz intermediate frequency and a 407.3 MHz local oscillator.

The receiver is equipped with a rubberized (flexible) antenna. The antenna is detachable and replaceable by the end user. The antenna connector is a nonstandard so that a replacement must be ordered from FieldPro. The antenna connector is a reverse polarity SMA designed to prevent use of unauthorized antennas.