

ProTX-1 Operational Description

The FieldPro ProTX-1 transmitter is a low power communications device used to remotely control a game bird ejection device. The bird ejection device incorporates a receiver (FCC ID: O2CPRORX1) that is also subject to FCC Certification, which is discussed under a separate application. 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 ProTX-1 transmitter operates at 418 MHz and is designed around a Linx TXM-418-LC transmitter module. The transmitter is pulse modulated. The transmitter is equipped with four momentary contact push buttons to operate the transmitter. Each push button changes the pulse coding; thereby, the transmitter is capable of controlling four separate receivers. The transmitter operates only when a push button is depressed and ceases operation after the button is released. This characteristic allows the transmitter to meet FCC requirements of Part 15.231(a) regarding periodic operation.

The transmitter 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 meet FCC Part 15.203 antenna requirements.