

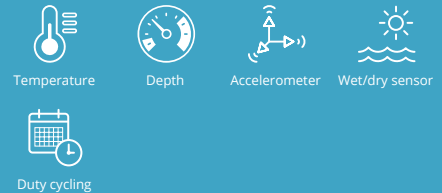
Coded VHF radio transmitters

The MCFT3 series VHF radio transmitters are highly configurable with advanced activation scheduling, multiple sensor capability, programmable output power, and data archiving in a compact waterproof package. Compatible with Lotek SRX receiver series, the MCFT3 builds upon the reliability of previous microprocessor-based MCFT and MCFT2 series. The MCFT3 incorporates temperature, depth, and multi-level accelerometer based activity data, an advancement over MCFT2 use of binary motion sensors. MCFT3 sets a new standard for wildlife telemetry by incorporating the very latest developments in radio frequency and microprocessor technologies to deliver new data and an enhanced feature set for more effective fisheries research and monitoring.

Options

- Available in standard or high power output
- Sensors include temperature, pressure, activity, 3-axis accelerometer
- Archival data-logging option (requires DLC-2 reader for data download)

Features:



Greater Detection Range:
High power output option

Sensor Capability:
3-axis accelerometer, temperature, and pressure sensor options

Data Archiving:
Sensor data is transmitted and/or archived

Product Applications

Survey life studies, Microhabitat utilization, Fish passage evaluation, Energy expenditure studies, Migration timing, Spawning behavior



| Model | MCFT3-SO | MCFT3-EM | MCFT3-LM | MCFT3-3A | MCFT3-L | MCFT3-FP | MCFT3-MA |
|----------------------------|----------|-----------|-----------|------------|------------|-----------|------------|
| Size (ØxL) (mm) | 8 x 43 | 11 x 60 | 11 x 80 | 16 x 58 | 16 x 85 | TBD | TBD |
| Weight (g) | 6.8 | 11 | 16 | 20 | 30 | TBD | TBD |
| Life ⁽¹⁾ (days) | | | | | | | |
| 2s interval | 19 / 5 | 112 / 30 | 173 / 47 | 293 / 82 | 639 / 177 | 99 / 25 | 330 / 94 |
| 5s interval | 45 / 12 | 266 / 74 | 414 / 114 | 701 / 201 | 1529 / 437 | 237 / 62 | 788 / 230 |
| 10s interval | 83 / 23 | 497 / 144 | 773 / 224 | 1309 / 392 | 2855 / 856 | 442 / 121 | 1472 / 451 |

1. Other burst intervals available (0.5 sec resolution). Estimated life for ID-only transmitters at standard/high power.

Features and specifications subject to change without notice.



Technical specifications:

Operating frequency: 138 - 176 MHz
 Typical frequency separation: 10KHz
 Basic/advanced programming: delay start, hour/day/
 week activation periods and burst intervals

MCFT3 options:

H - High Power: +10dB
 T - Temperature: -6 to +34oC
 P - Pressure/depth: 5, 10, 15, 50, 275 m
 A - Activity: 0.5, 1.5, 2.0 G
 L - Logger: Delay, Multiple of Burst Interval

Warranty

MCFT3 tags are warranted to be free of defects in materials and workmanship under Normal Use for a duration of 80% of Estimated Life to a Maximum of 3 years. For Warranty terms and conditions, please review our [Warranty Statement](#).

