

# Miniature MAP Series

## Coded Acoustic Transmitters for MAP Systems



MAP7\_2 (L) & MAP6\_2 (R)



MAP 600RT receiver

The MAP6 and MAP7 are the smallest addition to the LOTEK MAP Series of acoustic transmitters and are suitable for use on smolt and similar small fish. Employing advantages of CDMA coding, they are compatible with all LOTEK MAP acoustic receivers configured for 200 kHz.

The unique benefits of this system include support for tens of thousands of unique identification codes operating on a single acoustic frequency. This capability significantly

reduces the need for additional frequencies, with a corresponding reduction in total scan time over conventional pulsed systems.

High noise immunity and collision resistance make these tags suitable for large scale fish tracking and positioning studies, particularly where short burst interval and fine spatial resolution is required and/or where hundreds of fish may congregate in the study area.

Actual number of codes is application specific — please consult with your Lotek representative for details.

### Key Features

- Small form factor for small fish / smolt applications
- CDMA coding for improved signal performance
- Compatible with all LOTEK MAP receivers configured for 200 kHz
- Infrared activation for simplified handling in the field



- Receivers
- Dataloggers
- Radio transmitters

- Acoustic transmitters
- Archival tags
- GPS systems

- Hydrophones
- Wireless hydrophones
- 2D/3D Position systems

- Sensor transmitters
- Accessories
- Consulting

# — Miniature MAP Series Transmitters

## Specifications

Miniature MAP Series transmitters for 200 kHz system applications:

Model (200 kHz)	Dia (mm)	Length (mm)	Weight* in air (g)	Weight in water (g)	Acoustic Power	Depth rating (m)
MAP6_1	6.2	13	0.9	0.6	Lower	100
MAP6_2	6.2	15	1.1	0.7	Standard	100
MAP7_2	7.5	20	2.2	1.3	Standard	100
MAP8_5S	9.0	27	4.0	2.7	Standard	100

\* Stated weight in air may vary by +/-5%

Model (200 kHz)	Calculated Transmitter Life (days)					
	1.3 sec BI		5.1 sec BI		15.4 sec BI	
	128 IDs	78K IDs	128 IDs	78K IDs	128 IDs	78K IDs
MAP6_1	21	7	55	24	86	51
MAP6_2	12	4	36	14	68	34
MAP7_2	14	5	44	17	82	42
MAP8_5S	70	24	218	86	412	210

## Notes on specifications

- BI = Burst Interval or interval between a complete code set expressed in seconds
- Calculated life may vary, based in part upon environmental conditions to which the tags will be subjected. For this reason, warranted life is defined as 80% of Calculated Transmitter Life.
- All transmitters are guaranteed to meet stated specifications upon shipment. Any Lotek transmitters found to be defective, with respect to material, workmanship or guaranteed longevity, effective from date of receipt, will be repaired or replaced.
- Periodic design modifications to individual models may alter specifications. It is recommended that specifications be confirmed when placing an order.

