

SM2+ Long-term Passive Acoustic Recorder

The Wildlife Acoustics Song Meter SM2+ recorder is the most cost-effective and reliable solution for long-term acoustic monitoring of birds, frogs, terrestrial mammals and other wildlife. Our customers can survey more sites at a fraction of the cost of traditional point counts.

- Weatherproof enclosure to monitor birds, frogs, terrestrial mammals and other wildlife.
- Record up to 240 hours spanned across months on internal batteries.
- Program simple or complex recording schedules effortlessly. Program also relative to local sunrise, sunset and twilight.
- Flexible features to customize sampling rate up to 96kHz, gain, filters and triggers.
- Leverage the SM2+ two channel feature to mount a microphone to record and monitor birds, bats or other wildlife via the second channel up to 100m away.
- Files can be recorded in standard uncompressed .WAV format, or using our .WAC compression format.



Options and Accessories

- The SM2+ Terrestrial Acoustic Package includes two SMX-II weather resistant acoustic microphones.
- Mount the SM2+ above water, even in harsh and wet environments, with our hydrophone accessory submerged underwater on an 8 meter cable.
- The Night Flight Call Microphone includes a special SMX-NFC weatherproof microphone designed especially for recording distant night flight calls in the sky while attenuating sounds from at and below the horizon such as insects and amphibians.
- GPS accessory logs location information and synchronizes multiple SM2+ clocks to within one millisecond.
 - An array of multiple SM2+ with GPS receivers can be used to triangulate the location of a sound source by measuring the relative time-of-arrival of the sound wave as it travels across multiple microphones.
- External Temperature Sensor option is suitable to record water and soil temperature (and if properly shielded, for air temperature as well).



Hydrophone



Power Adapter



GPS Time Synchronization



Night Flight Call Microphone



Temperature Probe

SM2+ SPECIFICATION:

POWER:

- Two AA batteries for internal clock lasts up to two years
- Four D-size alkaline or NiMH batteries enable up to 240 hours of recording
- Optional external power using SM2+ Power Adapter (sold separately)

STORAGE:

- From 8GB up to 128GB with SDHC or 512GB with SDXC cards

SAMPLING RATE:

- 4kHz to 96kHz

RECORDING TECHNOLOGY:

- 16-bit full spectrum