



AcroBATtm

Agile call-sequence recording optimizer

Product description:

AcroBATtm is a new innovative bat monitoring and recording system developed by Binary Acoustic Technology, LLC. It is designed to enhance bat acoustic monitoring and classification protocols by eliminating two prominent sources of error: 1) classifier errors introduced by the presence of multiple bats and bat species in recordings; and 2) classifier errors due to presence of multipath and erroneous or weak calls in recordings. AcroBATtm provides a unique solution by applying an Agile call-sequence recording optimizer (**Acro**) which tracks bats, recovers the call-sequences generated by each bat and records them to disk, one file per bat, per bat-pass.



An AcroBATtm field recording system is composed of a Binary Acoustic Technology's AcroBAT adaptive receiver, along with a copy of AcroBAT software running on a Window's laptop or tablet computer. For transect monitoring or acoustic mist-netting, we recommend mounting the receiver so that it points directly upward. This provides hemispherical coverage and allows the system to track bats flying overhead, as well as directly to the sides. The AcroBAT software is designed to work in conjunction with several of the classifiers employed in today's bat monitoring protocols. It provides flexible output formats which have been verified for use with SonoBat, BCID, and EchoClass.

AcroBAT includes a new compressed file format developed jointly by Binary Acoustic Technology, SonoBat, and Myotisoft which allows seamless workflow integration between an AcroBAT field recording system and a SonoBat recording analyzer and classifier. This allows bat-pass recording tracks generated by AcroBAT to be read natively by SonoBat just like any traditional WAV file.

AcroBATtm Specifications

Microphones supported:	AcroBAT adaptive receiver (recommended)
Classifier compatibility:	SonoBat, BCID, and EchoClass
Output file formats:	Parameters, Reference WAV, and ZCD

Minimum System Requirements

1.0GHz Pentium M processor or equivalent
512Mbytes RAM
Windows XP, 7, 8, 10

Contact information:

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