NABat NORTH AMERICAN BAT MONITORING PROGRAM

Wildlife Acoustrics SM3BAT

Stationary Point Surveys		SM3BAT
SETTINGS	Sunrise/Sunset	sunset/sunrise
	Location	set location manually or via GPS plug-in
	Time/Date	set date/time using GPS or manually (always manually adjust time zone)
	Power Volt cut-off	n/a for short duration deployment with internal batteries
	Channel Sensitivity	n/a
PROGRAM (choose Builtin program 'Sunset to Sunrise ZC' for both FS & ZC, then choose 'EDIT' to set a few required fields)	HPF	16kHZ if not bats produce lower than this, otherwise, 1kHz
	Gain	0dB = if bats approach close; 12dB general foraging
	FS	WAV, channel (0) or (1) depending on which channel you attach mic to Sample Rate(256000)
	ZC (optional)	channel (0) or (1) depending on which channel you attach mic to DivRatio (8)
	FRQMIN	8kHZ if in area with audible bats; 16kHz otherwise
	FRQMAX	OFF
	DMIN (noise scrubber)	1.5ms
	DMAX (noise scrubber)	50ms
	TRGLVL	12-18dB
	TRGWIN	2s
	TRGMAX	15s
	NAP	not enabled
Built in Programs		Achieve the above settings by choosing "Sunset to Sunrise ZC" and modifying as described above, and then below: **REPEAT** **AT SSET - 00:30:00** **REPEAT** **RECORD 01:00:00** **UNTSRIS + 00:30:00** **UNTCOUNT INF** Records 30 minutes before sunset, all night, and then stops 30 min after sunrise.

Mobile Transect Surveys		**SM3BAT** (with GPS attached; and direcdtional horn on mic)
SETTINGS	Sunrise/Sunset	sunrise/sunset
	Location	set location via GPS plug-in
	Time/Date	set date/time using GPS or manually (always manually adjust time zone)
	Power Volt cut-off	n/a for short duration deployment with internal batteries
	Channel Sensitivity	n/a
PROGRAM (choose Builtin program 'Sunset to Sunrise ZC' for both FS & ZC, then choose 'EDIT' to set a few required fields)	HPF	16kHZ if not bats produce lower than this, otherwise, 1kHz
	Gain	12dB
	FS	WAC, channel (0) or (1) depending on which channel you attach mic to Sample Rate (256000)
	ZC	OFF
	FRQMIN	8kHZ if in area with audible bats; 16kHz otherwise
	FRQMAX	OFF
	DMIN (noise scrubber)	1.5ms
	DMAX (noise scrubber)	50ms
	TRGLVL	12-18dB
	TRGWIN	2s
	TRGMAX	15s
	NAP	not enabled
Built In Programs		24 hours keep GPS plugged into detector for entire driving transect
Post-recording processing		convert wac to wav and extract GPS in Kaleidscope