

This folder contains recordings of European bat species and a few grasshoppers for training purposes.

You can use these with the Teensy batdetector set to play, with samplerate to SR=Rate DIREC (281khz). The detector will show on the display what this species calls might look like and produce the sound in the headphones as if you were using it live in the field. This works for granular stretch but also for other detection modes.

Of course you can also listen in time expanded sample rates slowed down 10 times or a factor 5 up to 20 as you choose in the sample rate settings.

The filenames are shorted to 2x the first four letters of their names in latin.

This list contains all files that are in the training file set. Recordings come from sources available to the public (internet, software examples) and own recordings. The recordings are cleaned in order to get a normal scrolling speed. If you are in the field and have lots of other noises (due to high gain settings) or reflections, expect a faster scrolling speed of the waterfall or noise between calls.

The files also include several crickets and a Yponomeuta moth (not the best recording) the moth supposedly makes bat like sounds to trick a bat to think it is not chasing dinner. This could also mean you mistake a moth like this for a bat.

I also included some social calls, some parts of the common noctule social calls might not trigger the waterfall as those sounds are on a very low frequency. The freetailed bat also has a very low voice, it might not trigger the display as well. (set lower "signal peak above" value)

In the field you should use a sample rate at least twice the maximum frequency of the bat that you are expecting. Standard the detector is set to 281kHz this should cover almost all species. For this reason the training files are also recorded on 281kHz sample rate.

If you want to use the detector for studying crickets, you might want to chose a low value for TE gap in the defaults settings menu.

Filename	Name in Latin	English name	Name in Dutch
barbbarb.wav	Barbastella Barbastellus	Barbastelle bat	Mopsvleermuis
conodors.wav	Conocephalus Dorsalis	Short-winged conehead	Gewoon spitskopje
conofusc.wav	Conocephalus Fuscus	Long-winged conehead	Zuidelijk spitskopje
eptenils.wav	Eptesicus Nilssonii	Northern bat	Noordse vleermuis
eptesero.wav	Eptesicus Serotinus	Common serotine bat	Laatvlieger
hypssavi.wav	Hypsugo Savii	Savi's pipistrelle	Savi's dwergvleermuis
leptpunc.wav	Leptophyes Punctatissima	Speckled bush-cricket	Struiksprinkhaan
metrbrac.wav	Metrioptera Brachyptera	Bog Bush-cricket	Heidesabelsprinkhaan
metrroes.wav	Metrioptera Roeselii	Roesel's bush-cricket	Greppelsprinkhaan
minischr.wav	Miniopterus Schreibersii	Common bent-wing bat	Langvleugelvleermuis
myotalca.wav	Myotis Alcaethoe	Alcaethoe Whiskered Bat	Nimfvleermuis

myotbech.wav	Myotis Bechsteinii	Bechstein's bat	Bechsteins vleermuis
myotblyt.wav	Myotis Blythii	Lesser mouse-eared bat	Kleine vale vleermuis
myotbran.wav	Myotis Brandtii	Brandt's bat	Brandts vleermuis
myotcapa.wav	Myotis Capaccinii	Long fingered bat	Capaccini's vleermuis
Myotdasy.wav	Myotis Dasycneme	Pond bat	Meervleermuis
myotdaub.wav	Myotis Daubentonii	Daubenton's bat	Watervleermuis
myotemar.wav	Myotis Emarginatus	Geoffroy's bat	Ingekorven vleermuis
myotmyot.wav	Myotis Myotis	Greater mouse-eared bat	Vale vleermuis
myotmyst.wav	Myotis Mystacinus	Whiskered bat	Baardvleermuis
myotnatt.wav	Myotis Nattereri	Natterer's bat	Franjestaart
nyctleis.wav	Nyctalus Leisleri	Leisler's Bat	Bosvleermuis
nyctnocS.wav	Social sounds of bat below	Common Noctule (soc)	Rosse vleermuis (soc)
nyctnoct.wav	Nyctalus Noctula	Common Noctule	Rosse vleermuis
platalbo.wav	Platycleis Albopunctata	Rrey bush cricket	Duinsabelsprinkhaan
pholgris.wav	Pholidoptera Griseoptera	Dark bush-cricket	Bramen sprinkhaan
pipikuhl.wav	Pipistrellus Kuhlii	Kuhl's pipistrelle	Kuhls dwergvleermuis
pipinath.wav	Pipistrellus Nathusii	Nathusius' pipistrelle	Ruige dwergvleermuis
pipinatS.wav	Social sounds of bat above	Nathusius' pipistrelle	Ruige dwergvleer, (soc)
pipipipi.wav	Pipistrellus Pipistrellus	Common pipistrelle	Gewone dwergvleermuis
pipipygm.wav	Pipistrellus Pygmaeus	Soprano pipistrelle	Kleine Dwergvleermuis
plecauri.wav	Plecotus Auritus	Brown big-eared bat	Bruine grootoorvleermuis
plecaust.wav	Plecotus Austriacus	Gray big-eared bat	Grijze grootorvleermuis
rhinferr.wav	Rhinolophus Ferrumequinum	Greater Horseshoe bat	Grote hoefijzerneus
rhinhipp.wav	Rhinolophus Hipposideros	Lesser Horseshoe bat	Kleine hoefijzerneus
tettviri.wav	Tettigonia Viridissima	great green bush-cricket	Grote gr. sabelsprinkhaan
vespmuri.wav	Vespertilio Murinus	Parti-coloured bat	Tweekleurige vleermuis
yponevon.wav	Yponomeuta Evonymella	Bird-cherry Ermine ?	Vogelkersstippelmot ?

If you are looking for sound sources, try the Norfolk Bat Survey for crickets, Xeno-canto.org, tierstimmenarchiv.de, chirovox.org, observations.org. download Bat Explorer and look for the demo files or on Facebook: Bat Call Sound Analysis Workshop or Vleermuisgeluiden.