

This bundle of 3 CD contains two types of recordings: (1) Calls of a particular species, for which we usually selected recordings of single specimens, with highest recording quality available, and most typical calls. The terms "call" or "calls" generally refer to advertisement calls. If release calls or distress calls are described, it is explicitly mentioned. (2) Soundscapes were selected to give a general impression of the varieties of sounds in Madagascan rainforests. Many of them are mixed choruses of several species, sometimes the recorded species could not be reliably identified, and some soundscapes include vocalizations of other Madagascan animals. Temperature data refer to air temperature unless otherwise stated.

The booklet (44 pages) accompanying provides information on the authors, localities, dates and temperature conditions of the recordings present on the three CDs, and on the natural history and calling behaviour of the frog species recorded. More detailed data on the species can be found in an updated version of the "Fieldguide to the Amphibians and Reptiles of Madagascar" by F. Glaw and M. Vences that will be published in 2006 (see [www.mvences.de](http://www.mvences.de) for further information).

Except when otherwise indicated the species recordings included have only been lightly processed digitally, preserving both the temporal and spectral characteristics of the calls. When filtering was applied it was used to eliminate background noise, after checking that filtering did not interfere with the spectral characteristics of the call. The frequency limits and characteristics of the parametric filters (highpass, lowpass, and bandpass) are explicitly stated in the text. Filtering software used was Spectral Filter (SoundFront FX for SoundMaker, [www.Riccisoft.com](http://www.Riccisoft.com)). All recordings from a given species are included in the same CD *Track* unless advertisement calls from different populations are clearly different. When more than one recording was selected within a track, these are separated by 0.75 seconds of silence and organized in subsequent *Cuts* which are addressed individually in the written comments. Soundscapes may have been modified more intensely to improve the aesthetic value of the audition (cutting or filtering noisy sections etc.) but tracks have never been mixed: all the choruses heard are natural. Original unedited recordings and additional recordings not selected for the sound guide are deposited in the Animal Sound Library of the Museo Nacional de Ciencias Naturales (CSIC), Madrid, Spain: Fonoteca Zoológica ([www.FonoZoo.com](http://www.FonoZoo.com)).

The listing of species, within each subgroup (genus, subgenus, species group) follows roughly an alphabetical order, but closely related species are usually listed after one another, even if this disrupts alphabetical listing.

The CDs contain the calls of a considerable number of species that are still undescribed or unidentified. These are marked with "sp.", followed either by a characteristic feature in quotation marks, e.g. "Fast Call", or followed by the name of the described species to which they bear most morphological or bioacoustic affinities (e.g., "aff. *betsileanus*"). Several groups are in need of thorough revision, and our distinction of probably undescribed species (e.g., in *Stumpffia*) need to be seen merely as hypotheses in need of confirmation. Furthermore, we use the addition "cf.", especially in the Soundscapes, to mark specimens and calls that we assign with some confidence to a particular species, but being aware that confirmation is required.

Generic classification of mantellid species follows a recent proposal by Glaw & Vences (in press) that probably will be published subsequent to this sound guide.