

# Streamline your workflow with **Titley** SCIENTIFIC and the BTO Acoustic Pipeline

From the moment you configure your detector, through to vetting species analysis results, our tools are designed to work better together.



## 1 Before you record:

### Full Spectrum Recording

The BTO Acoustic Pipeline only accepts full spectrum (.wav) recordings.



Under **Recording Settings/Profile** on your recorder, the **File Type** must be set to **WAV** (not ZC).

### Standardised Sample Rates

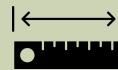
Precise sample rate reporting means recordings won't be compatible with BTO Acoustic Pipeline,



Under your **Device Settings** for **WAV Sample Rate Precision**, choose **Standard**.

### Maximum File Length

Use the maximum file duration setting so the BTO Acoustic Pipeline won't need to split your recordings.



Under **Recording Settings/Profile**, ensure the **Maximum File Length** is **5 Seconds**.

### 10kHz High Pass Filter

If you are also targeting small non-volant mammals or birds, ensure this filter is disabled.



Under **Recording Settings/Profile**; to only target bats - ensure the **10kHz High Pass Filter** is **On**; to also target other animals - ensure it's set to **Off**.

Only relevant for bat/ultrasonic recording

Sample rates of **44.1** or **48kps** (audible), and **>192kps** (for ultrasonic) are recommended for best performance. Set this under **Recording Settings/Profile** on your recorder

## 2 Before you process:

### Time Split Recordings

Use Insight's time split tool to convert recordings longer than 5 seconds into BTO Acoustic Pipeline-compatible 5-second files while preserving all metadata and the original file signature for continued compatibility with free Insight software.

Only relevant for bat/ultrasonic recording



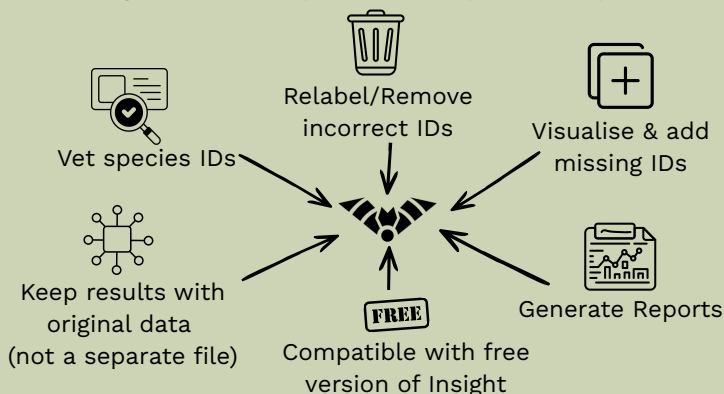
To split recordings:

1. Select all the recordings for splitting in the **Stores Panel**
2. Right click and select **Export Selected**.
3. For **Export Mode** choose **Copy and Time Split**
4. Set the **Maximum File Length** to **5 Seconds**
5. Choose your **Export Location**
6. Click **Export**.

## 3 After you process in BTO Pipeline:

### Results Importer Tool

Use Insight's results importer tool to place the species identifications directly onto the corresponding files.



1. Ensure your **results.csv** is located in the **same folder** as your original data.
2. Open the folder of data into the **Stores Panel**
3. Go to the **Plugins** menu at the top of Insight and select **BTO Results Importer**
4. Click **Browse** and select your **results.csv**
5. Choose the **minimum confidence level** you want species labels to be applied at.
6. Click **Import**.