GENERAL IMPROVEMENTS
-The app is now compatible with the new Echo Meter Touch 2 recorders. The Echo Meter Touch 2 ($179) is intended for budget-minded nature enthusiasts and batting hobbyists, and the Echo Meter Touch 2 Pro ($349) is designed for bat professionals. Both will be available for purchase soon.
-Adds bat portraits taken by Merlin Tuttle for all North American bats. These are shown on the Auto-ID pop-up in Live mode and on the bat info pages, which are accessible from the AUTO-ID SELECTION screen.
-Adds a new ADVANCED SETTINGS screen to the side menu. This screen is only accessible if an Echo Meter Touch 1 or Echo Meter Touch 2 Pro is connected. (These settings do not apply to Echo Meter Touch 2 Standard.) The following settings have been moved from the spectrogram’s settings drawer into this new screen: Trigger Sensitivity, Audio Division Ratio, Nightly Sessions Mode, Save Noise Files, and Real-Time ID. The following settings have been added: Maximum Trigger Length, Trigger Window and Auto-ID Sensitivity. Additionally, two settings have been added that are only functional with the new Echo Meter Touch 2 Pro: Sample Rate and Gain.
-Adds a “Restore Defaults” button to the bottom of the Information screen. This restores the following to defaults: zoom level, spectrogram settings and advanced settings. It also unselects all bats on the AUTO-ID SELECTION screen.
-Adds an Acknowledgments screen to the Information screen for Merlin Tuttle and contributors to Kaleidoscope’s classifier training data.
-Many minor bug fixes.

AUTO-ID IMPROVEMENTS
-New Kaleidoscope 4.2 classifiers offer classifier improvements in all regions.
-Adds 6 species of North American bats to the species list. These new species do not yet have classifiers, they are included so the user will know what bats are not covered. We hope to eventually build classifiers for these species. The new bats are automatically checked when you select the state or province, but they have grey checkmarks indicating they are not covered in the classifiers.
-Adds the ability to click the runner up species on the Auto-ID pop-up to immediately tag the recording with that bat instead of the front runner. Additionally, you can select “CHOOSE ID FROM LIST” to choose any
selected species of bat.
- The Auto-ID pop-up now shows the ratio of echolocation calls of the top bat to the total detected calls. This helps give a sense of confidence in the identification.
- Adds an information link to the Auto-ID pop-up that opens that bat’s info page.
- For North American Classifiers, the state and province list now breaks out all Canadian provinces.
- The app now uses a standardized 6 letter species code with the first three letters of genus followed by the first three letters of species.

SPECTROGRAM IMPROVEMENTS
- Replaces left and right arrow buttons on the spectrogram with "Return to real-time" when scrolled back in time in LIVE MODE and "Return to beginning" when scrolled forward in time on a recording’s spectrogram screen.

Version 2.1.4 (October 25, 2016)

This 2.1.4 version has the following changes:

GENERAL IMPROVEMENTS
- The app now provides backwards compatibility to iOS 8 for the 5% of users who have not yet upgraded to iOS 9 (or now 10).
- Fixes some formatting issues in the settings drawer on 4" screens.

SPECTROGRAM IMPROVEMENTS
- Removes the debug log. The method we used to save and share the log no longer works as of iOS 10.

Version 2.1.3 (Sept 28, 2016)

This 2.1.3 version fixes a bug where imported recordings would not show any existing voice or text notes.

Version 2.1.2 (Sept 19, 2016)

This 2.1.2 update includes the following improvements as well as miscellaneous bug fixes:
LIVE MODE IMPROVEMENTS
- Recovery from white noise events is significantly improved for normal operation and slower when the screen is off to avoid congestion and failure (when the screen is off, technically the app is in a background mode which has less CPU resources available to it).
- We also updated the waiting period for reconnection in the event that the module loses connection. In normal mode, it is 5 seconds as before, in background it is increased to 10 seconds to give a better chance of recovery without falling back to the start screen.
- Improvement to RTE and HET playback where the playback will be on all samples as though expanded view is selected, whether in compressed or expanded view. This lets you hear exactly how the bat would have sounded in live mode. TE will still play back in compress or expanded, depending on view as it is nice to be able to play back calls without all the silence in between. This also makes scrolling smoother when playing back in compress view with either RTE or HET.
- Changed recording timer behavior in Live Mode. It will now start at the beginning of triggered recording session (as now). And when a manual trigger is started, it will show the elapsed time of that manual recording (as now). After the manual recording is over, it now goes back to the elapsed time for the triggered session rather than restarting.

AUTO-ID IMPROVEMENTS
- Fix for meta-data not being written correctly when a manual ID is applied.

GENERAL IMPROVEMENTS
- In light of the new iPhone removing the headphone jack, we updated all Bluetooth code to assure compatibility with Bluetooth headphones and speakers.
- Exported KML file now leaves labels blank rather than using the date and time so as to not clutter up the view in Google earth.

Version 2.1.1 (Aug 18, 2016)
This 2.1.1 update includes the following improvements:

GENERAL IMPROVEMENTS
- Removed the orange triangle that controls minimum trigger frequency from the spectrogram and added new slider for that setting in settings panel. Hopefully this will prevent accidentally moving the setting and make the purpose more obvious. Also rearranged and renamed a few settings to
make things clearer.
-Fix for last recording of a session occasionally not getting added to the KML.

LIVE MODE IMPROVEMENTS
-Fix for audio freezing when the screen is turned "off".

RECORDINGS IMPROVEMENTS
-While deleting a long list of files, the count of files deleted and total files queued for deletion is now shown.

Version 2.1 (Aug 04, 2016)
This 2.1 update adds a new region to Auto-ID, a couple improvements and devours many bugs. Read on for details...

GENERAL IMPROVEMENTS
-Moved some buttons inward so they do not interfere with cases.
-Fixes a bug where files originally tagged NOISE that are later manually tagged with a bat ID did not appear in the exported KML, they will be there now.
-Fixes bug in recording meta-data. A manually entered species ID now ends up in the right spot, rather than overwriting the auto-ID field.

AUTO-ID IMPROVEMENTS
-Classifiers for 22 species of South African bats are now available for Auto-ID. These classifiers are in beta and not well tested so please do pass on your comments to help us improve them.
-Updated Western Canada species list to include some missing species.
-Fixes an issue where bats that were previously selected in the species list are suddenly "unchecked".

LIVE MODE IMPROVEMENTS
-Further improvements to prevent spectrogram freezing.
-Moved the recording label so it does not overlap with the frequency scale in Live Mode. The previous placement made it difficult to activate the delete button.

RECORDINGS IMPROVEMENTS
-Wi-Fi transfer now will work much better on large transfers. Recordings will be broken into as many 1GB zip files as needed to make the full transfer. This will allow the transfer of any number of files.
-Increased maximum number of recordings from 5,000 to 10,000.
- iMessage sharing works again. iMessage is no longer compatible with high sample rate .wav files natively so the file is actually sent as an
EMTOUCH file and then converted back to a WAV file upon import.
-Fixes crashing while closing edit mode after W-Fi sync.

**SPECTROGRAM IMPROVEMENTS**
-Fixes a crash on iPad Pro when resizing waveform.

**Version 2.0.5 (Jul 06, 2016)**
This 2.0.5 version reduces incidence of app freezing and improves recovery time when it does happen. More improvements are forthcoming.

**Version 2.0.4 (Jun 09, 2016)**
This 2.0.4 version fixes several bugs that could cause the app to crash.

**Version 2.0.3 (Jun 02, 2016)**
This 2.0.3 version fixes the following bugs:

**Auto-ID**
-Fixes an issue where updating to a new version of the app would unselect all bat species in the ID list. This fix will re-check the missing bats and prevent this from happening again.

**RECORDING**
-Will now properly relabel a NOISE recording if an ID is later run successfully or a species is chosen manually.

**SPECTROGRAM**
-This version removes a fix for spectrogram freezing put in place in version 2.0.2. Though the fix did improve things for some users, it made things worse for an even greater number.

**RECORDINGS**
-Fixes an issue where the menu selection icon would disappear after deleting all recordings.

**Version 2.0.2 (May 11, 2016)**
This version includes fixes for crashing and freezing that affect a handful of users.

**Version 2.0.1 (Apr 20, 2016)**
This version has various small bug fixes and the following improvements:

**GENERAL IMPROVEMENTS**
-Adds a link to video tutorials from the Information page, please have a look! You do need internet connectivity to view them.
-The app now allows you to share debug logs with us via email to assist in troubleshooting any issues. Debug mode is accessed by tapping with one
finger 8 times in a row anywhere in the app. This will open an email which
Can be sent directly to our support team. If you do not have email set up on
Your device, a debug screen will open and you can take a screenshot and
Transfer that to a computer to share with us. Or you can share the logs via
Apple airdrop if using a Mac computer. The way the log works is that it is a
Running commentary, it must be accessed quickly before it is overwritten
With more mundane information. You must access the log as soon as
Possible after the failure to capture information that will be useful to us in
Troubleshooting any issue.
AUTO-ID IMPROVEMENTS
- Changes Auto-ID to classify bats with as little as two pulses rather than
giving them "No_ID". In version 1.8 we changed it to need 5 pulses, this
changes it back so as to allow more identifications.
- Adds back the scientific name of the bat in the ID pop-up in addition to the
common name.
RECORDING IMPROVEMENTS
- Brings back horizontal white line to demarcate recordings in Live Mode.
- Brings back the little frequency box for the orange triangle to assist in fine
setting.
SPECTROGRAM IMPROVEMENTS
- Compressed spectrogram view has been significantly improved, you
should see more bats in Live Mode and when viewing previous recordings.
You will also see more noise but we are hoping this is a worthy
compromise.
- The left and right arrows that take you forward and back on spectrogram
are now easier to press.
- Brings back the double tap feature that also will take you forward (in Live
Mode) and back (in Recordings).

Version 2.0 (Feb 29, 2016)
We are excited to present version 2.0 with many new and often requested
features including:
GENERAL IMPROVEMENTS
- New app icon!
- The app now supports Apple’s Split View for recent iPad models. This
allows you to display two apps on the iPad’s screen at the same time so
you can view Echo Meter Touch at the same time as another app, for
example a GPS app, a weather app, or a notes app.
- For those whose ears are accustomed to listening to bats in heterodyne,
we have added that listening method to the app. The RTE button in Live
Mode now toggles between RTE and Heterodyne (HET) monitoring. When viewing a recording there is also a new button that toggles between the existing RTE and Time Expansion (TE) playback modes as well as the new HET. When in HET mode, double tap the frequency reference control to go into auto-het mode. This will constantly tune to the frequency with the most energy above the Orange Triangle setting. Just drag the grey slider to manually tune. When playing back recordings, Expanded spectrogram view works better than Compressed; it is what you would have heard in real-time and HET sounds odd with the spaces removed.

- We fixed a bug that would result in failing to the START screen on some iPad mini2 devices. This occurs when memory is running low, now the app will restart the stream in the background.

**AUTO-ID IMPROVEMENTS**

- The real-time auto-ID pop-up now shows the top two bat species suggestions. This is not intended to ID two species of bats in a recording, though it might in some circumstances. It is intended to give more information in order to help you make the best ID possible and also to allow you to see common confusions so you can learn the ID’s limitations. You can now press the yellow bat in the recording label to run the ID again or to select another species of bat to label the recording.

**LIVE MODE IMPROVEMENTS**

- Triggered and manual recording modes are no longer separate. There is a small manual trigger button always visible. You can use it by itself to record or use it while in triggered mode if the trigger misses something. When you press the smaller button, a recording starts 5 seconds back in time and continues until you hit the button again or 15 minutes is reached. NOISE filter does not run on manual recordings.

**RECORDINGS IMPROVEMENTS**

- You can now import a many recordings and/or session folders into the app through iTunes. If you need to switch to a new iOS device or you want to share a whole session with a friend, it is now easily done. See the user guide on the Information page of the app for specific instructions.
- There is a new summary button at the bottom right of the recording list. Pressing this will show a pop up screen with the number of recordings with each identified species, the number of NO_IDs, and the number of NOISE files. This will summarize all recordings if none are checked, or just a subset if only some have been selected with the checkboxes.
- We changed the scrolling operation of recordings; you now get to next or previous recording with arrow buttons instead of continuously scrolling through recordings. This is less confusing as to where you are and allows
us to make sure the recording label is always visible.

**SPECTROGRAM IMPROVEMENTS**
- If you scroll back in time in Live Mode, a right arrow appears at the top right of the screen; press to jump back to real-time. This replaces the double-tap method. Likewise, if you scroll forwards in a recording a similar left arrow appears at the top left of the screen; press to return to the beginning of the recording.

**Version 1.7.2 (Nov 04, 2015)**
This is a bug fix update with further improvements to spectogram streaming in Live Mode.

**SPECTROGRAM IMPROVEMENTS**
- Gets rid of the "buffering" state and associated crashing and audio artifacts.
- Made the reference frequency line slider easier to grab.

**Version 1.7.1 (Oct 20, 2015)**
This is a bug fix update with the following fixes.

**SPECTROGRAM IMPROVEMENTS**
- Fixes the audio “stuttering” and “buffering” issues that have affected some users. We will be making more improvements to "buffering" soon but wanted to rush out this fix now.

**RECORDINGS IMPROVEMENTS**
- Fixes a bug that would corrupt recordings when exported via Wi-Fi.

**Version 1.7 (Sept 24, 2015)**

**GENERAL IMPROVEMENTS**
- iCloud backup will now include recordings. If you have many recordings this will use up a lot of your storage. If it exceeds your plan, you will get a pop-up warning that says "Not Enough Storage". If this is a problem, go to Setting app then iCloud--->Storage--->Manage Storage and click on appropriate back up in the BACKUPS section. From there you can turn off Echo Meter Touch backups. Press "Show All Apps" if you don’t see it listed. If you are not sure if you use iCloud backup, go to Settings--->iCloud and see if Backup shows "On" or "Off".

**SPECTROGRAM IMPROVEMENTS**
- Completely new time axis now quantizes to sensible values while zooming in and out.

**RECORDING IMPROVEMENTS**
- New feature: Manual record mode. This new mode allows you to record
manually by pressing the record button rather than via triggers. Press and hold the orange trigger triangle for a couple seconds to put it in manual record mode. Press the record button to begin a recording and press stop to end the recording. The recording actually starts 5 seconds back in time from when you press start so as to capture anything missed by reaction time. The recording will continue until you press the record button again to stop it or until 15 minutes is reached. In manual record mode, the recordings are still tagged with location but no path information is saved. In manual record mode the app reverts to nightly session mode so as to avoid making a folder for every recording.

- Live Mode now shows the duration of the current recording to the right of the red/green orb at the top of the screen. In triggered mode, it shows the duration of the current session and in manual record record mode it shows the duration of the current recording.

- Enlarged the frequency threshold triangle and limited its movement to 6kHz to 60kHz so as to avoid it from getting lost above or below when zoomed in on the frequency axis.

RECORDINGS IMPROVEMENTS

- New feature: Recording sharing. The Wi-Fi symbol in the edit menu bar in the recording list is replaced with a share symbol that allows sharing via Wi-Fi, MMS text, or email. Sharing via email and MMS is limited to 20MB. If your email provider does not support that much data, sending will fail.

- New feature: Recording import. If you are emailed or MMS messaged Echo Meter Touch recordings, you can click on those recordings and import them into the app. All imported files must be recorded from an Echo Meter Touch app (as opposed to another bat recorder) and will be stored in a session folder called Imported Files. Imported files will have a white session color in the recording list.

- Fixed a bug that created odd behavior while playing back recordings in compress view.

AUTO-ID IMPROVEMENTS

- Added a pop-up note to the Auto-ID selection page to remind users of the limits of Auto-ID accuracy.


AUTO-ID IMPROVEMENTS

- Includes new Kaleidoscope 3.1.3 classifiers with improved performance for European/UK and Neotropical bat species.

RECORDINGS IMPROVEMENTS

- Uses better selection logic for back-to-back recording session colors so as
to avoid similar colors.
- Fixes a bug in the recording’s meta-data that broke compatibility with some third party analysis software.
- Fixes a bug that would create a session kml file even if there was no path or waypoint data.

**Version 1.6 (Jul 17, 2015)**

**GENERAL IMPROVEMENTS**
- Updated the included example recordings for fresh installs with better examples.
- iCloud backup is now prevented to avoid using up storage.
- Fixed a bug that would randomly show Wi-Fi sync dialog.
- Stopped padding recording labels and let them overlap for a cleaner look.
- Moved recording labels behind the frequency scale so the scale is not obscured.
- Fixed several bugs which could cause the app to crash, drop to the Start screen or get stuck with a “buffering” message.

**RECORDING IMPROVEMENTS**
- Added a nightly sessions option available in the settings drawer, which organizes sessions into nightly sessions (noon to noon) regardless of number of times recording is stopped and started. Each nightly session exports in its own folder with its own kml file.
- Enlarged the trigger frequency triangle area to make it easier to move.

**RECORDINGS IMPROVEMENTS**
- A new informational bar at the bottom of the recording list screen tells you how many files you have and how much memory they take. If you select a subset in edit mode the bar shows just the number and size of the selected files.
- Orphaned files and fragments from past versions will be deleted in the background.
- A popup now shows “deleting” when delete operation is in progress.
- Fixed a bug which would cause issues with displaying recordings spectrograms properly.

**AUTO-ID IMPROVEMENTS**
- Added *Myotis nattereri* to all European countries and UK and removed *Vespertilio murinus* from UK. This will only change with a fresh install of the app. So users should manually check or uncheck these bats if you do not wish to delete and reinstall as doing so will erase your recordings.
- Moved the species ID pop-up up to avoid interfering with the buttons on iPhone in landscape view.
- The recording time meta-data will no longer be overwritten at time of Auto-ID, it will remain the recording time.

**Version 1.5 (May 27, 2015)**
This update includes the following improvements:

**GENERAL**
- You can now zoom out twice as far on the spectrogram in Live Mode or when viewing Recordings. This allows you to see more time of the spectrogram.
- Bug fixes and optimizations to reduce spectrogram stuttering, freezing or crashing to the Start button screen.
- Fixes a bug where the app freezes while switching between compressed and expanded view in Live Mode.

**AUTO-ID**
- Two new regions have been added: Europe and the neotropics! Europe includes 25 species and the neotropics includes 57 species of bats. The UK region is now combined with Europe. To select UK bats only, select United kingdom from the new country dropdown list.
- Bat species information screens are now all from Wikipedia.

**Version 1.4.2 (May 08, 2015)**
This release includes the following improvements:
- Fixes an issue that could cause the spectrogram to freeze or to drop to the START button screen on slower iOS devices.
- Fixes a bug that would show the wrong color in the recording orb.
- When viewing recordings, double tapping on the left or right of the screen will now jump position as follows:
  - If you are in default time sorted mode, left double tap jumps to beginning of session and right double tap jumps to beginning of next session. If you have sorted backwards then it just works backwards. If you have sorted by species, then it will jump to beginning of first recording of a species or beginning of next species.

**Version 1.4.1 (Feb 27, 2015)**
This update includes the following fixes:

**LIVE MODE**
- Fixes a crash that could occur when toggling between compressed and expanded views. Also, the center of the screen is now the place that will be kept when toggling.
- Fixes missing buttons in landscape mode.
RECORDING
-Decreases trigger sensitivity at all settings. The high setting is now as sensitive as the previous medium, medium as sensitive as the previous low, and low less sensitive than the previous low. We think this is a much more useful range.

Version 1.4 (Feb 05, 2015)
This update includes the following improvements:
GENERAL
-The app is now 64-bit compliant.
LIVE MODE
-The scroll location on the spectrogram is no longer lost when toggling between compressed and expanded views.
GPS VIEW
-GPS view will now show an accurate path in real time. The KML will now also show an accurate path.
- The “zoom to current location” triangle in the lower right of the GPS view now zooms to your current location will now scroll the map as you move. The blue dot indicates it is in auto-scroll mode. If you scroll away from your location, the dot will turn grey and auto-scroll will turn off.
AUTO-ID
-North American classifier improvement to fix EPFU being misclassified as MYSE.

Version 1.3 (Nov 25, 2014)
This update includes bug fixes and the following new features:
GENERAL IMPROVEMENTS
-Auto ID is now free to all new and existing customers. Enjoy!
- The red orb that indicates recording mode is on now glows green while triggered. This allows triggering activity to be seen while navigating the app.
LIVE MODE
-We have redesigned the recording label for live mode and recordings. In addition to a fresh new look, you can now delete the file directly from the label and also navigate to the recording location on a map using the GPS symbol. The GPS symbol will be greyed if there is no GPS data associated with the recording.
- Manual Auto-ID is now performed simply by tapping the bat symbol.
- The recording label is now always shown on screen and recordings are padded so that each label is always visible and they do not overlap.
RECORDING
-The recording trigger sensitivity is now adjustable. “High” is the same as was in version 1.2. Lower settings ("Medium" or "Low") will only record louder and higher quality bat echolocation calls. WARNING TOEXISTING USERS: This will be set to Medium by default. You can change this in the settings menu.
-We have improved the filtering of non-bat recordings and added optional auto-deletion. A more sophisticated algorithm reduces the number of bats being classified as NOISE. In addition you can now choose whether to automatically delete NOISE files. A pop-up will inform you when a NOISE file has been deleted. WARNING TO EXISTING USERS: Automatic deletion of NOISE files is turned on by default. You can change this in the settings menu.
-The horizontal white bar indicating a recording location on the spectrogram is now visible at all zoom levels.
-The classifiers have been improved and updated, especially for low frequency bats.
AUTO-ID
-Auto-ID now happens in real time. If there is a successful ID, a large translucent pop-up is displayed for a few seconds with the species name and a button to “learn more” about that species. Clicking anywhere on the screen will remove the pop-up immediately. Note: The ID process takes a couple of seconds during which time a new recording cannot be triggered. You can turn off real-time Auto-ID in the setting menu.
GPS VIEW
-GPS view now includes real-time updates. Recordings and path will now appear as you record.
-Recording location and path can now be exported. There is now a KML file in each session folder. If any recording from a recording session is transferred via Wi-Fi, a KML file will be included for that recording session. You can also download the files through iTunes as described in the User Guide. KML files can be opened directly in Google Earth to show the recording locations, species IDs and recording path.

Version 1.2 (Sep 12, 2014)
This update includes several requested enhancements and a few bug fixes.
LIVE MODE
-Waveform is now resizable to allow more room for the spectrogram. Drag the slider symbol to adjust the size.
-Scrolling and zooming now work on waveform portion of the screen.
- Fixes a bug that could cause the app to crash after pressing the Stop button.
- Improves scrolling through recordings when NOISE files are present.

**RECORDINGS**
- Increases the maximum number of files to 5000.
- Spectrogram scrolls through recordings in the same sort order as the recording list and allows scrolling through recording sessions.
- Recording sessions are now color coded. Uniquely colored vertical bars in the spectrogram, vertical bars in the recording list and GPS path color all match.
- Fixes a bug that could result in files getting lost after Auto-ID was run.

**AUTO-ID**
- Fixes broken links to information about North American bat species.

This is a huge update featuring dozens of improvements and fixes. To those that have been experiencing issues, thank you for your patience. We are confident that this release addresses all of your issues and also that the improvements will enhance your bat detecting experience.

**GENERAL**
- Release notes shown on first run after app update.
- External Bluetooth speakers now work with the app for amplifying bat sound.
- The app will intelligently reduce the buffer size in Live Mode if the iOS device is nearly full. Eventually Live Mode will automatically stop.
- Fixes possible database corruption that could prevent recordings from displaying properly or transferring. At start up, this update will fix any existing issues.
- Recording is now limited to 1000 files as it is hard to handle more than that with all features.
- Fixes bug in frequency reference line where it would display an inaccurate frequency.
- Fixes several memory leaks, bugs, crashes, etc.

**LIVE MODE**
- Spectrogram scrolling in Live Mode is now smoother and will not get “hung up” on recordings.
- Frequency axis pan and zoom will not stop scrolling of the spectrogram.
- Spectrogram scrolling now starts on the right at the beginning of a session.
- Double tap to return to front of buffer is improved. Now instant response and only fills half the screen so it is obvious you are at in “the present”.
- Brightness and contrast changes will now take affect on past and future spectrogram.
- The time scale on the spectrogram is now in milliseconds.
- The frequency scale is now dynamic and changes to logical values as you.
- Now allows further zoom in.

**RECORDING**
- Automatically tags recordings with no bat detected as “NOISE”. These recordings can then be easily sorted for review or deletion.
- Triggers are more sensitive to bats and less sensitive to low frequency noise.

**RECORDINGS**
- When you return to the recording list view from a spectrogram the recording now stays highlighted so you can see where you are.
- The scroll bar in recording list is now larger and can be used to scroll quickly through the recordings.
- Changes “Sort from A-Z button” to “Sort by Species” in recording list, it now sorts as follows:
  * ID’d files
  * No_ID files
  * Non-NOISE (no ID run)
  * NOISE files
- Both sort button reverse order if pressed again.
- Sort order is remembered.
- Time expansion in compress view only plays compressed signal during playback.
- Playback of RTE is now in sync with spectrogram.
- Playback now starts at the left so you can play the beginning of a recording.

**AUTO-ID**
- Adds several species of bats and all new classifier engine is more accurate, runs much faster and is smaller, resulting in an 80% reduction in app size. Pipistrellus nathusii has been added for the UK and the following for North America:
  * Antrozous pallidus
  * Eumops floridanus
  * Eumops perotis
  * Euderma maculatum
  * Lasiurus blossevill
- The UK Myotis classifiers show 5 species in the list but just identifies to generic Myotis. We will attempt to accurately break out the individual
species in the future.
- There is now a drop down menu for North American species that will automatically select bat species likely to be in your state or Canadian region.
- Fixes auto-id freeze or crash when running on many files in Recording View.
- Fixes crash while loading UK classifiers.
- Now allows Auto-ID to be run multiple times so you can rerun with different species selected or run again with updated classifiers.
- Fixes Auto-ID button not updating to show species code.
- Bat species are now shown alphabetically.

MAPS
- Does not show NOISE files.
- Always chooses a new unique color for the path of a new session to prevent confusion.

**Version 1.0.6 (Jul 02, 2014)**
- Fixes a bug introduced in 1.0.5 which causes Auto-Identification to not work from a fresh install.

**Version 1.0.5 (Jun 16, 2014)**
This update improves stability, addresses several bugs that could cause the app to freeze or crash and features several enhancements. Some of the changes:
- Adds the ability to easily check multiple recordings. Just check a recording and press and hold the checkbox on any other recording and all in between recordings will be checked.
- Adds species tags in map view for any bats that have been identified using the Auto-ID feature.
- Adds native Help. It is now part of the app build and no longer requires a Wi-Fi or cellular connection to load.
- Adds persistent setting of the spectrogram zoom levels, the Trigger Frequency Threshold and the Frequency Reference Line. They are all now remembered.
- Adds the ability to cancel Wi-Fi transfer or the Auto-ID process.
- Improves the speed of Wi-Fi transfer considerably. It is over ten times faster. Also the date-created timestamp for the recording is no longer overwritten during the transfer process.
- Improves the file structure for iTunes file transfer. Each recording session
now has a folder rather than a folder for each recording. When you open the app you will see a progress bar as the file structure is updated.
- Improves sensitivity of checkboxes in the Recording list. They are now much easier to click.
- Improves resolution of GPS values in the recording meta-data from 2 to 5 digits of precision for more accurate tracking of recording location using the Kaleidoscope converter KML feature.
- Improves the accuracy and smoothness of GPS path tracking.
- Fixes an issue with RTE playback where sound would be lost.
- Fixes an issue where the double-tap to return to real-time on the spectrogram would sometimes be unresponsive.

- Fixes a bug that would leave the GPS on in the background even when not using the app.
- Fixes a bug that prevents the iOS device from "auto-locking" if the app is open. Auto-Lock is now only deactivated if the app is in Live Mode.
- Fixes disappearing settings icon.

Version 1.0.4 (May 07, 2014)
This update improves stability and addresses several bugs:
- Fixes a problem that could cause the spectrogram to lock-up in an unrecoverable state.
- Fixes crashes when switching between compress and expanded views.
- Fixes problems and improves performance of scrolling back through spectrogram.
- Fixes a problem with double-tapping in live mode to jump to end of spectrogram.

Version 1.0.3 (Apr 29, 2014)
- Fixes issues relating to corruption in the meta data stored in .wav recordings for Kaleidoscope.
- Fixes an issue where "No ID" is shown on every recording label in Live Mode. Now it will be blank until auto-ID is run at which time you will see "No_ID" or the species code. ID is not run automatically, it must be run from Live Mode or the Recordings List.

Version 1.0.2 (Apr 22, 2014)
- Improved Auto-ID classifiers.
- Cleaned up the Auto-ID species list for North America, there were species listed which should not have been in the list. The list will only be updated if
you delete and reinstall the app.
- Wi-Fi Export is now freely included rather than an in-app purchase. We decided we should not charge for this feature.
- Added the ability to download recordings through iTunes File sharing. You can quickly transfer recordings via a USB cable. See the built-in User Guide for more info. Right now the implementation is not ideal as each recording has its own folder. This will be improved soon.

Version 1.0.1 (Apr 09, 2014)
- Minor bug fixes.
- Typo and wording changes.
- Changed app name to "Echo Meter Touch Bat Detector" to improve app search results.

Version 1.0 (Mar 27, 2014)