Vocalive

Your favorite vocal effects on your iPhone, iPod, iPad

User Manual

IK Multimedia. Musicians First.
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Chapter 1  Introduction

Thank you for purchasing VocaLive for iPhone. This manual will cover all the product features in detail. Please read it carefully to get maximum results.

You can also take a quick tour by tapping the Help (?) button on the top-left of VocaLive interface to immediately start singing.

VocaLive™ and iRig™ are trademarks or registered trademarks property of IK Multimedia. All other product names and trademarks are property of their respective owners, which are in no way associated or affiliated with IK Multimedia. Product names are used solely for the purpose of identifying the specific products that were studied during IK Multimedia’s sound model development and for describing certain types of tones produced with IK Multimedia’s digital modeling technology. Use of these names do not imply any cooperation or endorsement.
Chapter 2  iRig Mic Connections

The iRig Mic is the easiest way to get your vocal signal into your mobile device. The iRig Mic is the ideal companion not only for the VocaLive apps, but also works with any other recording or processing app.

Read the instructions below carefully to correctly set up and operate VocaLive.

2.1 Quick Start

Connect this plug to the headset jack on your iPhone, iPod Touch or iPad.

Connect your headphones, mixer, speakers or amplifier to this jack.

1. Download VocaLive FREE or Full app from the iTunes App Store
2. Plug the iRig Mic into the headphone jack of your iPhone, iPod touch or iPad
3. Choose how to listen to VocaLive (Headphones or Speakers) in the message that pops up
4. Plug your headphones or external speakers into the iRig Mic headphone mini-jack.DO NOT put your headphones on yet (see below on using iRig Mic with headphones)

Now you are ready to launch your VocaLive app and start singing!

2.2 Using VocaLive with headphones

Choose Headphones after connecting your iRig Mic to properly set VocaLive for usage with headphones or earbuds. Follow carefully the instructions below in order to avoid feedbacks that may damage your hearing.

IMPORTANT: DO NOT put your headphones on before taking the following steps:

1. Plug your iRig Mic to your device (iPhone / iPod Touch / iPad)
2. Plug your headphones or earbuds into iRig Mic
3. Launch VocaLive
4. Lower the volume of your device by using the side volume buttons
5. Put your headphones on
NEVER turn the “NO FEEDBACK” option OFF in the VocaLive app SETUP page when using headphones or earbuds. Always keep this option ON when using headphones or earbuds to avoid possible feedback.

If you are listening to VocaLive using earphones that include a microphone, also please lower the volume to avoid possible feedback.

NEVER plug in or unplug your headphones when VocaLive is open and running.

WARNING: Permanent hearing loss may occur if earbuds or headphones are used at high volume. You can adapt over time to a higher volume of sound, which may sound normal but can be damaging to your hearing. Set your device volume to a safe level before that happens. If you experience ringing in your ears, reduce the volume or discontinue use of earbuds or headphones with your device.

2.3 Using VocaLive with mixers, speakers or amplifiers

Choose Speakers from the message that pops up after connecting your iRig Mic to set VocaLive for listening with mixers, speakers or amplifiers.

IMPORTANT: To avoid feedback, ALWAYS use 1/8” stereo jack to TWO x RCA or TWO x 1/4” MONO jack cables to connect to amplifiers, powered speakers or mixers. NEVER use STEREO headphone 1/8” to STEREO 1/4” adapters or splitters.

![Diagram of audio connections](image)
Chapter 3  Setup

The SETUP section helps you to optimize VocaLive settings in order to achieve the best sound possible. You can access the section by tapping on the SETUP button at the bottom of the interface, from the Tools, FX and Amp sections.

### 3.1 Active Input and Level

At the top of the Setup interface you will find the indication of the currently active input (Built-in microphone or Headset microphone – note that the iRig Mic appears as a Headset microphone).

The In / Out level meters and controls are immediately below. To properly set your input level, increase the gain up to the point where the top clipping LED starts blinking, then lower it a little bit to avoid clipping.

The lower part of this section helps to monitor and trim the output level. To return to the default settings, just double-tap on the faders.

### 3.2 Built-in MIC

This button lets you enable or disable the built-in Mic of your device, in case you want to use it as your recording source for the Recorder.

### 3.3 Latency

Latency is a slight delay introduced by digital signal processing. Set this to ULTRA-LOW if you experience too much delay between what you sing and what you hear. Switch back to LOW if you hear clicks or pops in the signal.

### 3.4 No Feedback

Enable “No Feedback” minimize the risk of “Larsen” effects (high pitched constant notes).

Set this option to ON or OFF to enable or disable it. Note that turning “No Feedback” ON when listening from the built-in speaker of the iPhone or iPod touch will mute the sound.

Choosing AUTO for the No Feedback option will automatically turn it ON when you connect headphones or the iRig Mic and turn it OFF when you are listening from the device’s built-in speaker.

Set the “No Feedback” option to OFF when you are listening to VocaLive with your device or the iRig Mic connected to a mixer, an amplifier or external monitors.
3.5 Retain Settings

Enable this option to maintain last custom setting on each module. If “Retain Settings” is set to OFF, when you switch to another effect within the same slot and then go back to the previous effect, the parameters of the previously selected effect will reset to the default values.

3.6 Auto Sleep

Enable “Auto Sleep” to reduce battery consumption during long playing sessions. The device display will turn off after the “Auto-Lock” time has passed (set the “Auto-Lock” time in the General settings of your iPhone / iPod Touch / iPad).

Disable “Auto Sleep” if you hear clicks and pops while playing.

3.7 Background Audio

Turn this option ON if you want to hear VocaLive’s sound also when the app is running in background.
Chapter 4  Tools

4.1 Vocal Trainer

The Vocal Trainer is at the top of the Tools section. Press the Play button to hear a piano arpeggio accompaniment with which to warm up your voice for singing. Press Play again to stop the arpeggio. Press the Key button to increment the root note of the arpeggio in semitones. Press the Scale button to toggle between a major and minor arpeggio.

4.2 Metronome

In the Tools section you will also find a Metronome. Tap the ON button to enable / disable the Metronome. The current BPM (beats per minute) is displayed in the field on the top-right of the Metronome section.

The Metronome LED bar allows you to change the metronome’s tempo. Touch and drag to change the BPM value. Dragging the LED bar to the right will increase the value and vice versa. You can also set your tempo by TAPPING. To do that, touch the Tap button at least 4 times in sync with the material you try to match the tempo with. Double-tap on the displayed BPM value to set the Metronome tempo to a well-defined value using a scroll wheel.
4.3 Audio Demo

The Audio Demo panel allows you to experiment with the Vocalive effects without singing into your device. The Audio Demo plays pre-recorded audio demo files included in the app. Choose one of the 6 audio demo files by tapping on the Demo button on the right, and play it by tapping Play. When the Demo button is set on Auto, all 6 audio demos will play sequentially.
Chapter 5  Favorites and Presets

VocaLive has a powerful memory system that enables you to store your FX settings in two ways: as a FAVORITE or as a PRESET. Both the Favorites and the Presets store the entire 3-effect chain along with the settings for each of the 3 effects. Favorites and Presets store the identical information; The only difference is how you access them.

FAVORITES are accessed by the four Favorite buttons at the bottom of the app, A, B, C and D. To load a Favorite, simply press the A, B, C or D button. To save a Favorite, simply hold the Favorite location of your choice (A, B, C or D) for a few seconds until the location flashes to indicate that your Favorite has been saved. There are four Favorites in VocaLive.

You can even save your Presets as Favorites for faster access. Simply load the Preset of your choice, then hold your desired Favorite button to save it to that location.

Note that the Favorite locations (A, B, C and D) will appear in blue if data is stored there. They will appear in white if the location is empty.
PRESETS are accessed by tapping the PRESET button at the top left of the app. Presets are organized into CATEGORIES. Think of Categories as folders that contain collections of Presets. Tap the PRESET button to display the Categories window containing the list of Categories. If there are more than 6 Categories, you can scroll through the list by simply dragging the window up and down.
To add a new Category, tap the + button in the upper right part of the app, and a dialog box will appear where you can name your new Category. Let’s say you want to create a new Category for to contain several Pitch Fix Presets set to various musical keys and with various correction strengths. Tap the + button, then enter the name of the Category. In this case, let’s call the Category “Pitch Correctors”.

Press Done once you have typed in the name, and the new Category will then appear at the bottom of the Category list.
To delete a Category, tap the EDIT button in the upper right part of the app, and a red DEL button will appear to the right of each Category. Press the DEL button next to the Category you want to delete to remove the Category.
To rename a Category, tap the EDIT button in the upper right of the app, then tap the name of the Category you want to rename. A window will appear allowing you to rename the Category. Type the new name, then press Done when you are finished, and your new name will be saved.
To open a Category to get to the Presets inside, simply tap the Category name, and the Presets will appear. Think of this as opening a folder. As with Categories, if there are more than 6 Presets in a Category, you can scroll up and down through list by dragging the window.

You can rename and delete Presets by pressing the EDIT button in the upper right part of the app in the same way that you edit Categories. Similarly, you can add new Presets in the same way by pressing the + button in the upper right part of the app.
Chapter 6  About Musical Scales and Keys

Many of the Presets in VocaLive are based on musical scales and keys. To get the most out of these Presets and the pitch-based VocaLive effects, it is helpful to have a basic knowledge of music theory. Here is a brief explanation of the concept of musical scales and keys:

A musical scale is made up of a sequence of notes that starts at the “tonic” (or root note) and ends at the “octave”. The top note of the scale — the octave — is the same pitch as the root note but double the frequency or “one octave higher”). A C scale starts on C and ends on C one octave higher. A G scale starts on G and ends on G one octave higher, etc. In between are the “degrees” of the scale, and the degrees are expressed as numbers relative to the tonic (root note). In the case of a C Major scale, the G note is the 5th degree because it is 5 notes from the root of C (C, D, E, F, G). The F note is the 4th degree, the E note is the 3rd degree, etc.

A musical key is based on one of the 12 musical notes (C, C#, D, D#, E, F, F#, G, G#, A, A#, B) along with a scale (Major, Minor, or one of 4 “modes”: Dorian, Phrygian, Lydian and Mixolydian). The type of scale determines the intervals between the notes. A key, then, is described by the root note (C, C#, D, etc.) and the scale.

C Major, for example, starts on the C note and has the intervals of a Major scale where there are whole steps between each note except for the 4th and 8th degrees of the scale which are half steps.

C Minor, for example, starts on the C note and has the intervals of a Minor scale where there are whole steps between each note except for the 3rd and 6th and degrees of the scale which are half steps.
There is another type of scale called a “Chromatic Scale” that uses all of the 12 musical notes where there is a half step between each note.

In VocaLive, you will see parameters for **KEY** and for **SCALE** in the Pitch Fix and Choir effects. For the best results, it is important to match these parameters to the song that you are performing so that the effect will select the appropriate notes for you. If you are not sure of the key or scale of the song, you can choose the Chromatic option which leaves all of the notes as possibilities for the effects to sound.

In the Choir effect of VocaLive, you will also see 3 interval parameters at the top of the effect window. The intervals are expressed as degrees of harmonization. For example, 3rd ° means that the Choir effect will generate a 3rd above the input signal. 4th ° means that the Choir effect will generate a 4th below the input signal. So with the above settings, if the key is set to C and the scale is set to Major, if you sing a C note, the Choir effect will generate an E above your note and a G below it. If you sing an A note, the Choir effect will generate a C above your note and an E below it. A setting of “Uni” means that the Choir effect will add a unison “double” effect to create the sound of two voices singing the same note together.

For more information about Scale and Keys, please visit:

http://en.wikipedia.org/wiki/Music_scales
http://en.wikipedia.org/wiki/Key_%28music%29
Chapter 7  Vocal Effects

VocaLive offers 5 dedicated “Vocal Effects” that are specifically designed to process the human voice. The effects are Pitch Fix, Choir, Doubler, Morph and De-Esser.

There are 3 effects slots in VocaLive, but the Vocal Effects can only occupy the first slot because of their sophisticated processing algorithms. The other effect slots are for the “Studio Effects” (explained separately).

To choose a Vocal Effect, tap the first effect slot, and you will see it highlighted in blue. Then choose one of the Vocal Effects from the horizontal list immediately above effects slot 1. You can choose between Pitch Fix, Choir, Doubler, Morph and De-Esser to put one of those effects in the first effects slot. Note that you can also put a Studio Effect in the first slot if you do not wish to use a Vocal Effect.

To edit the effects in any slot, press the blue right arrow to go to the dedicated effect page for that slot. You will see a graphic representation of the effect where it appears like a stomp box pedal. Tap the blue On / Off switch at the bottom to enable or disable the effect. Or you can alternately use the BYPASS button on the upper right to do the same thing. To adjust any of the effect’s parameters, simply touch the knob of the parameter you want to adjust and move it up to increase the value or down to decrease the value. You can also tap the parameter knob to select it and then adjust its value using the large graphic slider on the right.

To return to the effect chain, the page showing all 3 effects slots, tap the FX button at the top of the app.

Let’s see all the available Vocal Effects!
7.1 Pitch Fix

Pitch Fix is powerful pitch correction effect with a straightforward and easy-to-use interface. You can save time by fixing intonation errors on the fly. Experimenting with creative and radical combinations of its settings can create amazing results. Pitch Fix quantizes (itunes) the pitch of the incoming signal. Use this effect to make your singing more in tune or as a hard--quantized pitch effect for modern pop productions. You can select the musical key in which to more accurately correct the pitch for a specific song, or you can select “Chromatic” to correct the pitch in a more general way with all 12 notes as an available option. If you are not sure of the key of your song, choose the Chromatic option.

Correction Strip: the correction is displayed from the note detected to show the amount of correction / quantization applied by the effect.

MODE:
Soft: Slow retune. This setting makes the correction slowly which makes it less noticeable. Retune speed is 0.8 seconds.
Medium: Classic Retune. This setting is the best compromise between pitch correction and natural sound. Retune speed is 150 milliseconds.
Hard: Typical retune “effect”. This setting produce the typical hard pitch correction FX used on many modern R&B vocals. Retunes speed is 10 milliseconds.
**SCALE**: Choose from Chromatic, Major, Minor, Dorian, Phrygian, Lydian or Mixolydian scales.

**KEY**: Select the key from C, C#, D, D#, E, F, F#, G, G#, A, A#, B.

Note that songs are generally performed in a specific “key” and use a particular “scale”. In order for the Pitch Fix effect to correct your tuning in the best possible way, always be sure to set the **SCALE** and **KEY** parameters to match the scale and key of the song you are singing. Please see the section entitled “About Musical Scales and Keys” at the end of the Favorites and Presets chapter of this manual for more information on the musical theory behind the **SCALE** and **KEY** parameters.
7.2 Choir

The Choir effect can generate up to three distinct harmonization voices to enrich and expand your vocal presence. Use it to create basic harmonies, enchanting choirs or incredible sci-fi effects. The harmonizer has 3 separate intervals for pitch shifting or doubling.

**SELECT:** chooses the intervals of harmonization to add using the up / down arrows. Select voice 1, 2 or 3 and then tap the arrows to move the shift interval up or down for each voice. You may also choose unison ("Uni") for a “doubling” effect to create the sound of two voices singing the same note together. The intervals are expressed as degrees of harmonization from the source note you sing and will be matched to the scale you choose. For example, 3rd means that the Choir effect will generate a 3rd above the input signal. 4th means that the Choir effect will generate a 4th below the input signal. So with the above settings, if the KEY is set to C and the SCALE is set to Major, if you sing a C note, the Choir effect will generate an E above your note and a G below it. If you sing an A note, the Choir effect will generate a C above your note and an E below it. If you sing a D note, the Choir effect will generate an F note above your note and an A below it. Please see the section entitled “About Music Keys and Scales” at the end of the Favorites and Presets chapter of this manual for more information.
**VOLUME:** controls the volume of the individual voices (1, 2 or 3) of the harmonizer.

**PAN:** controls the panning of the individual voices of the harmonizer.

**DRY / WET:** adjusts the mix of the unprocessed and processed signal.

**SCALE:** controls the type of scale for the overall effect so that the intervals generated in the **SELECT** parameter match the key of the song you are performing. Choose from Chromatic, Major, Minor, Dorian, Phrygian, Lydian or Mixolydian scales.

**KEY:** controls the key for overall effect. Select the key from C, C#, D, D#, E, F, F#, G, G#, A, A#, B.

Note that songs are generally performed in a specific “key” and use a particular “scale”. In order for the Pitch Fix effect to correct your tuning in the best possible way, always be sure to set the **SCALE** and **KEY** parameters to match the scale and key of the song you are singing. Please see the section entitled “About Musical Scales and Keys” at the end of the Favorites and Presets chapter of this manual for more information on the musical theory behind the **SCALE** and **KEY** parameters.
7.3 Double

The Double adds the effect of two voices singing together from a single source. This effect lets you quickly recreate studio doubled sounds during a single live performance. You can thicken your voice, make it more intimate or create detuned effects by adjusting the various controls.

MODE:
- **Group**: Activates all the three interval voices at the same time
- **Lower**: Adds an octave down interval
- **Unison**: Adds an interval detuned by - 0.5 cents
- **Higher**: Adds an octave up interval

**VOLUME**: level of the doubled signal

**PAN**: adjusts spatial position of the doubled signal

**DRY/WET**: adjusts the mix of unprocessed and processed signal.

**DELAY**: delays the doubled signal from 0ms to 50ms.
7.4 Morph

The Morph effect independently changes the format and / or the pitch of the incoming signal using an X-Y axis. Formant shifting changes the tonal quality of the voice from subtle deepening to radical gender bending without changing the pitch. Pitch shifting changes the actual pitch of incoming signal to allow you to extend your range higher or lower. Morph is an inspiring tool that gives you the opportunity to explore unique vocal sounds. Modify your voice in a subtle, realistic way or take it beyond the limits of the reality.

**TARGET CIRCLE**: touch and drag to adjust both the format and pitch

X: select X to adjust only the formant with the blue slider on the right
Y: select Y to adjust only the pitch with the blue slider on the right
VocaLive

7.5 De-Esser

The De-Esser effect removes sibilance from vocals by employing a narrow band compressor tuned to specific frequencies in which sibilance appears. You can remove unwanted sibilance from your voice to add extra polish to your performances and recordings. The De-Esser can also be used to reduce string noise from an acoustic guitar, breath noise from flutes or to ‘smooth’ a mix.

DE-ESSING STRIP: displays the amount of attenuation of sibilant frequencies

MODE: a continuous controller from 0% Soft (-5dB Threshold), to 50% Medium (-22dB Threshold), to 100% Hard (-50dB Threshold).

TYPE: toggles the center frequency of the effect between Male (5 kHz) and Female (7 KHz)

OUTPUT: boosts the signal to compensate for volume loss from the de-essing effect
Chapter 8  Studio Effects

In addition to the Vocal Effects, VocaLive offers 7 “Studio Effects” that have been tailored to specifically vocals. The effects are Delay, Chorus, Comp, Parametric EQ, Reverb, Envelope Filter and Phazer.

There are 3 effects slots in VocaLive, and the Studio Effects can go into any slot. Note that, as explained previously, the “Vocal Effects” can only occupy the first slot.

To choose a Studio Effect, tap the desired effect slot, and you will see it highlighted in blue. Then choose one of the Studio Effects from the horizontal list immediately above effects slot 1. You can choose between Delay, Chorus, Comp, Parametric EQ, Reverb, Envelope Filter and Phazer. to put one of those effects in the any effects slot you choose. You can even have multiple instances of the same effect appear in different slots.

To edit the effects in any slot, press the blue right arrow to go to the dedicated effect page for that slot. You will see a graphic representation of the effect where it appears like a stomp box pedal. Tap the blue On / Off switch at the bottom to enable or disable the effect. Or you can alternately use the BYPASS button on the upper right to do the same thing. To adjust any of the effect’s parameters, simply touch the knob of the parameter you want to adjust and move it up to increase the value or down to decrease the value. You can also tap the parameter knob to select it and then adjust its value using the large graphic slider on the right.

To return to the effect chain, the page showing all 3 effects slots, tap the FX button at the top of the app.

Now let’s take a look at all the available Studio Effects!
8.1 Delay

The Delay is an echo effect designed to add spaciousness and dimension to a vocal. It is a model of a modern digital delay effect that allows up to one second of delay.

**DELAY**: adjusts the time of the echo effect

**FEEDBACK**: adjusts the number of repeats of the echo effect

**LEVEL**: adjusts the volume of the echo effect
8.2 Chorus

The Chorus effect creates an ensemble sound from a single source using a modulated delay line. It is based on a typical digital chorus with great control and flexibility. Use this effect on your voice to add shimmer and animated modulation.

**RATE**: adjusts the tempo of the chorus effect, the speed of the modulating wave

**DEPTH**: adjusts the range of the chorus effect, the amplitude of the modulating wave

**LEVEL**: adjusts the volume of the chorus effect
8.3 Comp

The Comp effect compresses – or reduces – the dynamic range of the input signal for a more even, consistent sound. It is a model of a classic analog compressor that beautifully sustains your sound making it big and punchy.

**OUTPUT**: adjusts the volume of the effect

**SENSITIVITY**: adjusts the amount of compression, the amount of reduction of dynamic range
8.4 Parametric EQ

The Parametric EQ is a single band equalizer that boosts a specific frequency in the spectrum. It is a model of an analog one-band parametric EQ that you can use to adjust your vocal tone with great precision.

**GAIN:** adjusts the amount of boost of the selected frequency

**FREQUENCY:** selects frequency to be boosted

**Q:** adjusts the width of the frequency boost

**OUT LEVEL:** controls the volume of the signal
8.5 Reverb

The Reverb is a spatial effect designed to simulate rooms, halls and studio plates to add depth and dimension to a vocal. You can sing in your bedroom and make it sound like you are in a stadium. Or use the effect in a small club to invoke the sound of a large hall.

**SWELL:** adjusts the length of the reverberation

**TONE:** adjusts the color of the reverberation effect

**LEVEL:** adjusts the volume of the signal
8.6 Envelope Filter

The Envelope Filter is a synthesizer effect where high frequencies are filtered out in a sweeping motion triggered by the volume of the incoming signal. This is a signature funk sound that applies timbral filtering to your voice that automatically follows what you’re singing.

**CUTOFF**: sets the corner frequency of the effect

**RES**: adjusts the amount of peak signal emphasis at the cutoff frequency

**DEPTH**: adjusts the range of the effect
8.7 Phazer

The Phazer effect modulates individual EQ bands within the spectrum to create a sweeping, dimensional effect. It generates a smooth, watery modulation effect on your voice.

**SPEED**: adjusts the rate of the modulation

**SYNC**: quantizes the rate of modulation to tempo according to note value which is set by the blue slider on the right
Chapter 9  Recording and Mixing

The 4-track recorder gives you the chance to lay down your musical ideas into 4-tracks recordings. Recording sessions can be organized and saved into Projects that can be recalled at will. You can record instruments through the iRig Mic, your device’s built-in mic or combined headset, then mix it all and master the final result. The punch-in recording function will let you make corrections to part of your recordings. With bouncing, you will be able to free tracks and record more parts. Let’s look at every feature in detail.

Note: VocaLive by default allows you to record on one track and does not include the mastering section. Most of the features included in this chapter will be available after purchasing the Recorder from the in-app SHOP.
9.1 Creating a new project

Tap on the orange ‘+’ button to create a new project. A window will appear to let you choose a name for your project.

The chosen project name will be shown on the label of the tape cassette in the recorder window. If you want to change the name of the project tap on the cassette label and the rename window will appear.

Recording a track in VocaLive is very easy.

1. Arm the track by clicking on the arm button near the track number (a red light will start blinking)
2. Click on the record button at the bottom of the interface. You will notice that the recording process has begun as the tape cassette will start running and the Arm button will turn its light status from blinking to static.
3. Stop the recorder by clicking on the green play button.

Repeat the process for every track that you want to record. Just tap and hold for at least 3 seconds the arm button to delete a single track.

All new audio material added to the project will be automatically saved by VocaLive, in order to avoid accidental loss of recording material.
Tap on the Play button to listen to your recorded material. You can also scroll within your recording by sliding on the cassette tape. Scroll less by sliding on the cassette wheels, more by sliding on the cassette label. The current position will always be visible on the white label.

Tap the Back button once to move the cassette back to the last point where you started playing from, tap it twice to start from the beginning of the recording. This function is very useful anytime you want to relisten to a specific section of your recording or replace a part using punch-in.

9.2 Punch-in Recording

Make small corrections to your tracks with punch-in recording. Slide on the white bar that includes the time indication to choose where you will begin to listen to your recorded material. Tap on play to listen to your recording and when you reach the point that you want to record again tap the rec button; from now on the recorder will write everything coming from the input; by tapping on the rec button again the recording process will stop and you will hear the previously recorded material.
9.3 Mixing and Bouncing

When all the tracks are full and you need to record more instruments you can free some space by using the Bounce function. Tap on the Bounce button (bottom-right of the window), choose ‘Bounce’ and all the 4 tracks will be merged and put on the first track. You now have three more empty tracks to record instruments in.

As we just mentioned the mixer settings, let’s explore how the mixer controls work.

The lower part of the interface is dedicated to the mixer controls

On the top of the mixer you have the arm, mute and solo buttons. The Mute button mutes the track, while Solo allows you to listen just to that single track. Tap the Arm button to activate the track input monitoring (the button will start blinking). While recording the red light of the Arm button will change its status from blinking to static. Keep the Arm button pressed for more than 3 seconds to delete the audio content of the track.

The mixer has different sections that can be accessed by sliding horizontally through the different pages:
Page 1 – VOLUME
The first page is called VOLUME and shows the Volume slider controls of the tracks. On the side of each fader a VU-Meter shows the track volume level. Double-tapping on the faders will restore the default position.
Page 2 – PAN
The second page is called PAN, and it controls the stereo positioning of the tracks.
Page 3 – INSERT FX
The Insert FX switches enable the audio processing on one recorder track at a time and allow you to apply (print) the effects to the recorded track. In this way you can add effects to your tracks (one at a time) without the need to re-record them. The currently selected live effects (from the 3-effect chain) are active on the track with the blue indicator light above the Insert FX Selector switch and APPLY button. The current effects chain is stored with each Recording Project. Select a different track to put the current effects on that track, and use the APPLY function to print the effects to individual tracks.

Tap the APPLY button to ‘print’ the effects settings on the track when you need to use the effects on a second track. Be careful, as you can’t undo this operation: once the effects are applied to the track you won’t be able to return to the unprocessed version anymore. Note that you can only have the 3 editable effects available on one track at a time (whichever track is currently selected). If you want to put effects on more than one track, then you must APPLY (or print) the effects to each track individually. As mentioned above, once the effects are applied (printed), they cannot be undone.
9.4 The Project List

Tap the Show Projects List button on the right side of the tape cassette label to show the complete list of your recording sessions.

![Project List Example]

Tap on the **LOAD** button to recall a project and reload all its tracks.

The **PLAY** button will allow you to pre-listen to the content of the project.

The **DELETE** and **DUPLICATE** buttons let you erase and copy your projects.

You can also export your recording as WAV file via File Sharing, e-mail or add it to the VocaLive SONG section.
9.5 Exporting your Recordings

Once your project is ready, you can export your recording in 3 different ways:

1. Using File Sharing as a WAV file
2. Via E-mail as M4A file
3. Add it to the Song section of
1. File Sharing

File Sharing allows you to transfer your recording directly to iTunes in your computer.

After tapping on File Sharing your recording will be put in a file sharing folder on your mobile device and you will be asked to connect to iTunes.
Connect your device to your computer using the 30-pin to USB Apple cable and open iTunes. Wait until your device is detected, then click on its icon. Now go to the top of iTunes window and click on Apps; you will see two main tables: Sync Apps and File Sharing. Choose the VocaLive App under File Sharing; the exported recording will appear in the right window called ‘VocaLive Documents’.

From there you can select your recording and click ‘Save to...’ to put it anywhere on your computer, or drag it wherever you prefer.
2. E-mail

You can also send your recording via e-mail. Just tap on E-mail in the export method selection pop-up menu and a new e-mail message will be created, like the one below.

![E-mail example]

Insert the recipient in the 'To:' field and tap the 'Send' button to complete the e-mail recording transfer.
3. Song

Tap on Song to transfer your recording to the SONG section of VocaLive (see chapter ‘Songs’ in this manual), and use it as backing track with the SPEEDTRAINER.

Your recording will be processed and the message below will appear, informing that your mix is now included in your SONG section.

If you now tap on SONG in the top stripe of the VocaLive interface, you will see your mix added to your current songs list.
VocaLive
Chapter 10  Songs

Songs importing is now available via File Transfer, Wi-Fi or from your iPod music library. You can hear the sound of your input signal processed with effects together with the songs, allowing you to practice, learn or just have fun! You can play and pause your song, change the song speed and also loop the entire song or just a section of it.

VocaLive also has a handy “Voice Cancel” feature that eliminates the vocal from existing songs. This allows you to remove the existing vocal and sing along with the track yourself instead! Just tap the NO VOICE button to activate the Voice Cancel function.
10.1 How to import your song

Check first that the audio file that you are importing is in one of the following formats: WAV, AIFF, m4a, mp3 (44.1 kHz, 16 bit). Then import your song by tapping the ADD SONG button and then choosing one of the available import options.

Follow the instructions below to import using one of the three different methods at your disposal:

1. Wi-Fi import
2. File Sharing import
3. iPod library import
1. Wi-Fi import

After tapping on Wi-Fi follow the instructions on the screen (fig 9.2) to create a connection between your iPhone and your computer.

You’ll see on your browser the Song Transfer page
Browse your computer to choose the song to add, then tap on **START TRANSFER**. A progress bar will appear in the ‘Ready to add SONGS’ window to show you the state of the song transfer process.

Tap on **DONE**, back in the **Songs List** page.

**Important!**: Tap on “Done” only after the transfer process has been completed.
2. File Sharing import

Tap on **File Sharing** in the import method selection pop-up menu. The instructions included in the panel will help you connecting your device to iTunes. Tap **Done** when the device is connected and you have finished reading all the instructions.

Now go to the App section of iTunes (the same we described in the Recorder chapter) and drag the file you want to import in the VocaLive Documents window. After some seconds your device will start syncing and your song will appear in the songs list.

Connect your device directly to iTunes and drag your audio files in the VocaLive’s Documents window to avoid tapping on ADD SONG.
3. iPod library import (iOS 4.1 or later is required)

Tap on iPod Library to access your song collection within your iPhone / iPod / iPad.

A window like the one below will appear. Browse the library using the buttons on the bottom and tap on ‘+’ to add the songs to VocaLive’s song list.
Tap on Done when you have finished selecting all the songs you want to import, and then the extracting process will start.

All the songs you have selected will appear in the VocaLive songs list.
10.2 Playing your songs

Tap on PLAY to play/pause your song (note that VocaLive will need to expand your songs the first time you play them.

You can also loop the entire song by tapping on LOOP or just a section of it by choosing the start and end of the loop with the A and B buttons. The slider under the PLAY button allows you to choose the starting point, while the VOLUME one is the volume control of your imported songs. A display on the right of the play button will always show you your position in the song.

There is no limit on the number of songs that you can import. If you want to erase a song, just select it on the list and tap on the DELETE button at the bottom of the interface.

VocaLive includes also a SPEEDTRAINER. Move the SPEEDTRAINER slider to change the speed of a song without affecting its pitch. Slow down or speed up your songs for learning purposes or just for fun.
The TO REC button at the bottom of the interface lets you copy the currently selected song to one track of the recorder, so you can record new parts on it. The figure below shows the track selection menu that lets you choose where to put your song. A message will appear to inform you that VocaLive has finished copying the song to the recorder.
10.3 Wireless connection between your iPhone and computer

If you experience problems creating the network between your iPhone / iPod / iPad and your computer, this can be due to a firewall that is stopping the connection request to your iPhone / iPod / iPad from the computer.

If your computer has a net adapter you can overcome this problem by establishing a direct connection.

To connect your iPhone/iPod/iPad directly to your computer follow these steps:

**MAC:**
1. Turn your AirPort On
2. Choose ‘Create Network’ from the ‘Network Preferences’ drop down menu and give a name to the network you’ve just created
3. Tap the Settings button on your iPhone/iPod/iPad, then on ‘Wi-Fi’ and choose your new Network

**PC:**
1. Check that you have a Wi-Fi adapter and that it is enabled
2. Create a new ‘ad-hoc’ Network and give it a name (the ‘ad hoc’ connection can also be called ‘computer-to-computer’)
3. Tap the Settings button on your iPhone/iPod/iPad, then on ‘Wi-Fi’ and choose your new Network
Chapter 11  Shop

Tapping on the **SHOP** button takes you to the VocaLive Gear Shop where you can purchase additional features for your app.

Scroll through the list to read the name, description and price of the available models and premium features.

When you find a model or feature that you like, just tap on it and a panel will appear to confirm the purchase. Insert here your iTunes Store password, confirm, and the selected model or feature will be immediately part of your app!

After your purchase, the new model or feature will disappear from the SHOP section and appear in the FX or REC section.
VocaLive
Chapter 12  Account

Tap on the USER button to register VocaLive and unlock the free FX. A User Registration pop-up message will appear. Choose ‘Existing account’ if you have already an IK Multimedia Account; choose ‘Create new account’ if you have never registered an IK Multimedia product.

Note: This does not refer to your iTunes account but rather to your user account with IK Multimedia.
12.1 Existing account

Enter your **Username** and **Password** of your User Area account on IK Multimedia’s site, and tap on **Register**. This will unlock the free FX included in your VocaLive app.

If you have lost your password, tap on ‘**Forgot password**’?, submit your e-mail address, and a new password will be sent to your e-mail account.
12.2 Create new account

If you don’t have a User Area account with IK Multimedia, tap the Create new account button to create a new one.

You can access the New Account page from the initial User Registration pop-up message or from the Existing account page.

After entering the New Account page, fill in your details (First name, Last name, E-mail, Country and Phone) and tap on Register to create your IK Multimedia account. If you need further explanation of the registration process, just tap on the ‘?’ button.
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