

iMiX16



Theatre Show System

User Manual

designed and created by
Gregor Krasevec

www.krasevec.com
info@krasevec.com

Introduction

THE MOST STABLE APP IN SHOW BUSINESS!

Created by a professional theatre sound engineer.

Used in theatre and live shows all over the world.

iMiX16 Theatre Show System is an application for professional audio and video support in a theatre show or live performance.

Key Features:

- play all audio channels simultaneously,
- adjust volume, panning, fade-in and fade-out for each audio channel,
- adjust master volume for all audio channels,
- play video or image on external display such as monitor, TV or LCD projector using 30-pin or Lightning to VGA adapter – **NO MIRRORING!**,
- synchronize audio and video or image channels,
- loop audio and video channels,
- load and save audio, video and image channels settings (create setup file for each performance),
- import/export audio, video and image files from/to other apps,
- BROWSER - download audio, video and image files directly from the internet into the app.

iMiX16 FREE has built-in 16 audio, 16 video and 16 image channel with time limited use.

iMiX16 PRO has built-in 16 audio, 16 video and 16 image channels.

iMiX16 PRO32 has built-in 32 audio, 32 video and 32 image channels.

iMiX16 PRO64 has built-in 64 audio, 64 video and 64 image channels.

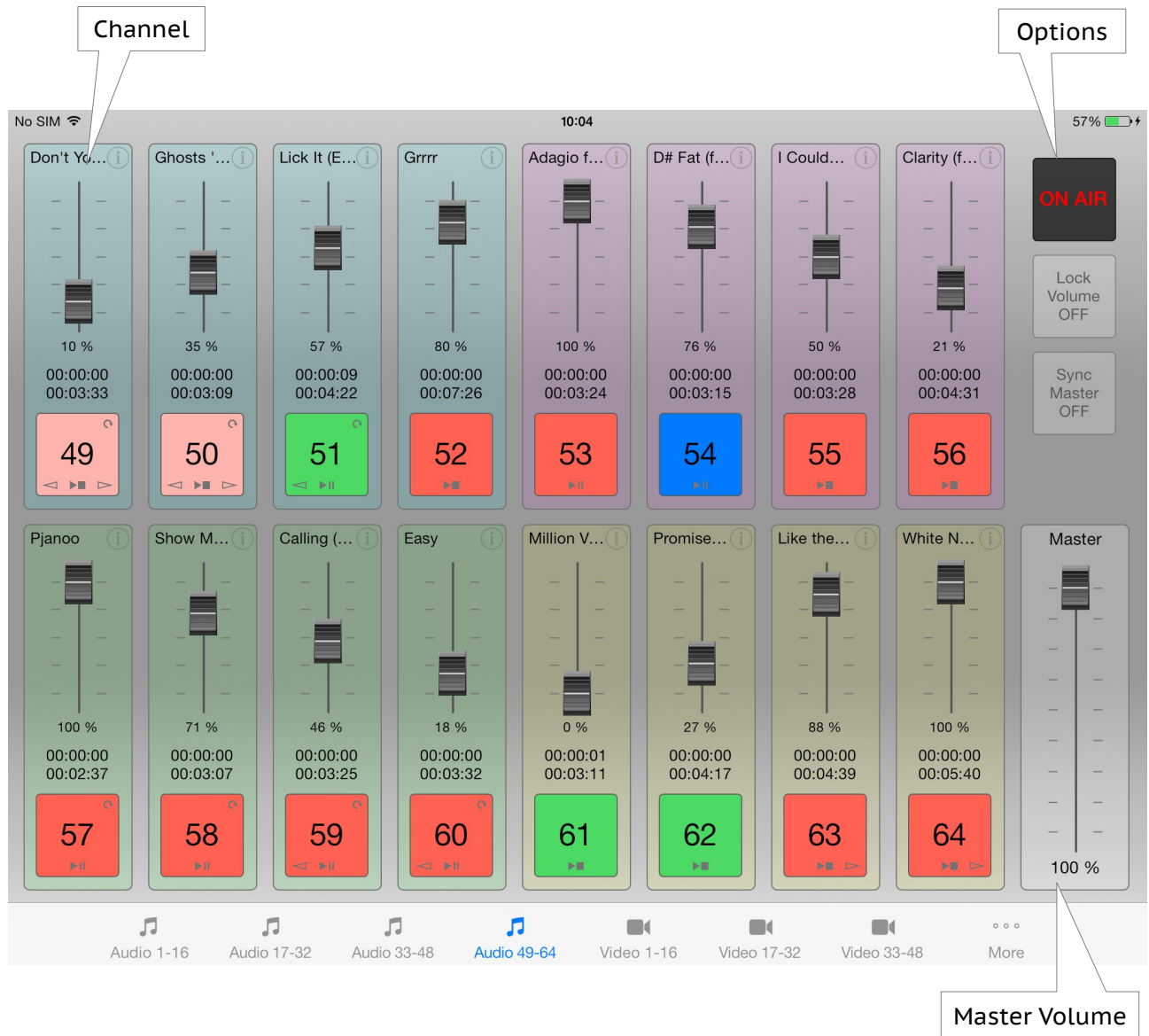
Combination of multiple audio, video and image players gives you almost unlimited support in your theatre show or live performance.

iMiX16 supports default iPad's audio and video library (synced with iTunes) and also iTunes file sharing. It also supports import and export audio, video and image files with other apps.

Note that all images in this user manual are from PRO64 version.

Audio

Audio screen contains 16 audio channels, audio options and master volume.



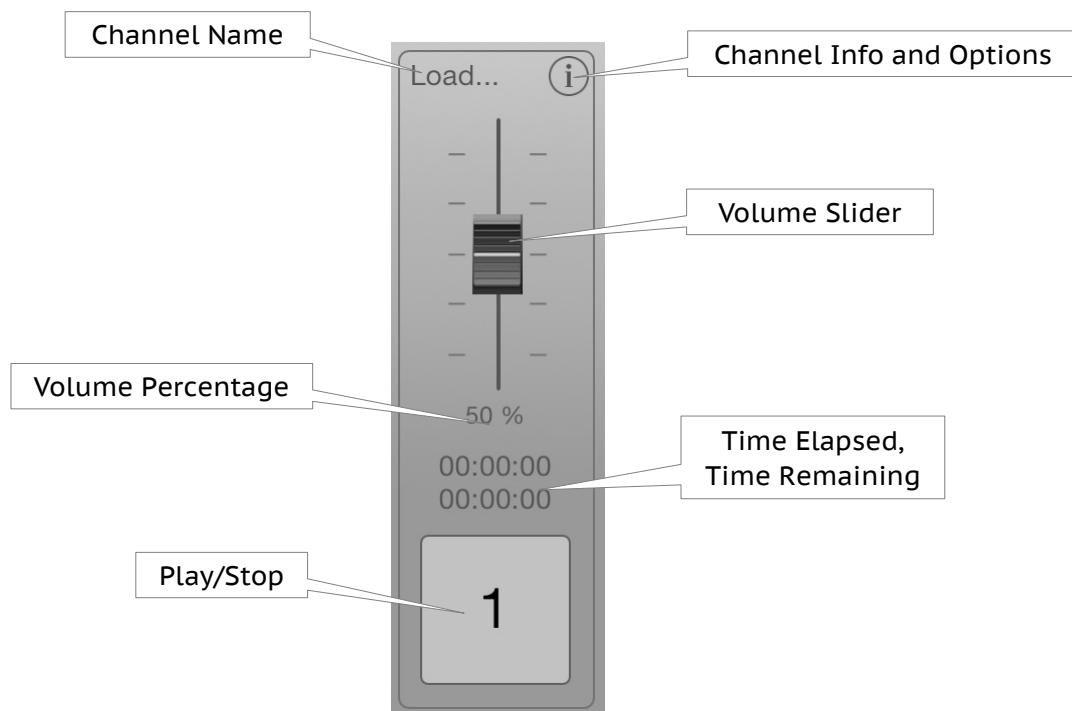
Audio Channel

Audio channel contains channel name button, channel info and options button, volume slider and Play/Stop button. It also contains volume percentage, time elapsed and time remaining labels.

Play/Stop button indicates channel status:

- gray – no audio loaded (empty),
- red – stopped, never played,
- light red – stopped, played at least once,
- blue – paused, when in Play/Pause mode,
- green – playing.

Play/Stop button also contains icons for Play Mode, Loop, Fade-in and Fade-out status.



Load Audio File

To load an audio file press channel name button (Load...). Default iPad's audio library (Library Source iTUNES) or iTunes file sharing documents library (Library Source DOCS) will be displayed on screen (depends of the selected library source from setup screen). Select an audio file you wish to load. Once audio file is loaded Play/Stop button will turn red and channel name button will now contain first few letters of the title of the selected audio file.

Note that you can also press Play/Stop button to load an audio file. However once audio file is loaded you must use channel name button to load a new audio file.

Rewind and Fast Forward

When channel is stopped you can rewind and fast forward audio by tapping on the time label and pan left or right.

Note that when channel is playing you can not use rewind or fast forward!

Audio Channel Info and Options

Audio channel info and options window contains audio information and options for the selected channel: channel color, name, audio file artist, title and album, play mode, loop, fade-in, fade-out and pan. Channel color, name, play mode, loop, fade-in, fade-out and pan are editable.



Play Mode option:

- Play/Stop – audio file will start playing from the beginning,
- Play/Pause – audio file will resume playing from the current position.

Loop option: loop playing audio file (ON / OFF).

Fade-in and fade-out: fade-in/out duration in seconds. Value 0 means that fade-in/out is OFF. Maximum fade-in/out duration is 60 seconds.

Note that if audio file is shorter fade-in/out duration will be set to audio file length.

Pan (L / R) option: standard sound panning (left / right).

Press Save to apply audio channel options, press Cancel to discard changes. Press “trash” button to clear audio channel.

Audio Options

There are three options available: ON AIR, Lock Volume and Sync Master. ON AIR is global option and affects all segments of the application. Lock Volume is local option and affects only current audio screen. Sync Master is also a local option but affects all audio screens of the application.

Note that Sync Master is only available in PRO32 and PRO64 version.



ON AIR – if turned ON functions like loading audio, video and images, setting channel options, loading and saving setup files are disabled, music plays in the background (even if iPad is locked, home button is pressed, etc.) and it prevents iPad to go to sleep.

It's recommended to turn this ON during real theatre show or live performance!

Lock Volume – you can lock volume sliders if you don't need them in real-time during theatre show or live performance. This can avoid accidental volume change while pressing Play/Stop buttons on screen.

Sync Master – you can synchronize master volume of all audio screens (PRO32 and PRO64 version).

Video

Video screen contains 16 video channels and video options. It also contains information of external display connection.



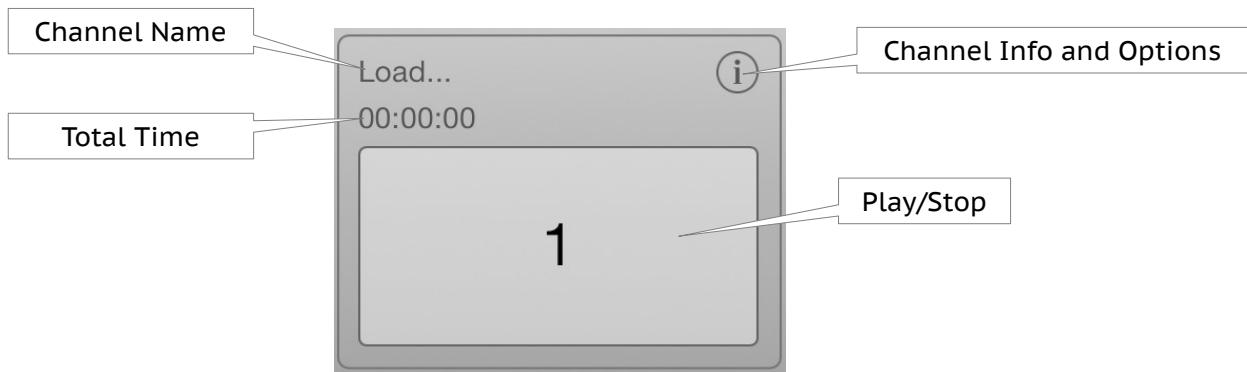
Video Channel

Video channel contains channel name button, channel info and options button and Play/Stop button. It also contains total time (changes to time remaining during play) label.

Play/Stop button indicates channel status:

- gray – no video loaded (empty),
- red – stopped, never played,
- light red – stopped, played at least once,
- green – playing.

Play/Stop button also contains icon for Loop status.



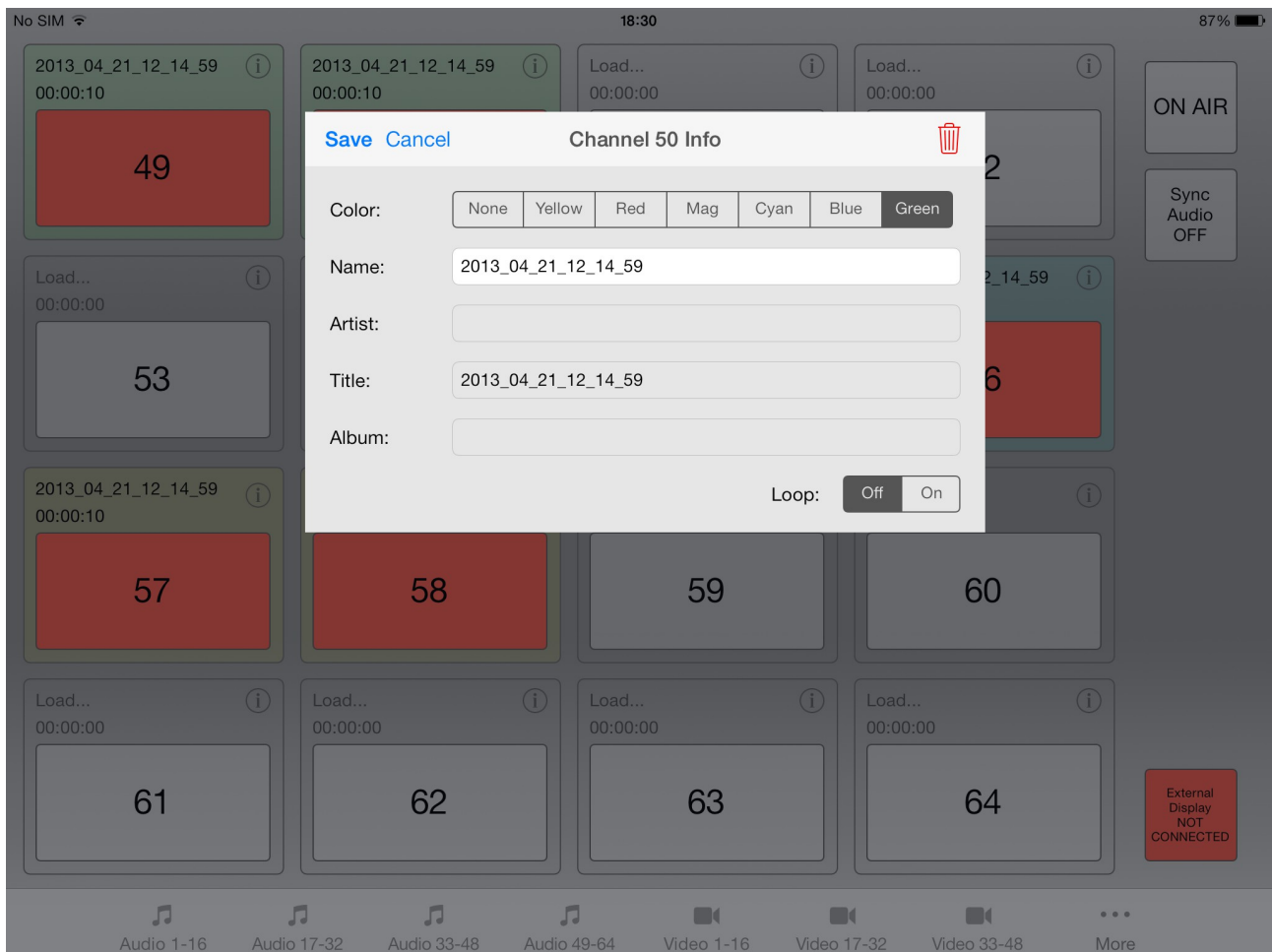
Load Video File

To load a video file press channel name button (Load...). Simplified iPad's video library (Library Source iTUNES) or iTunes file sharing documents library (Library Source DOCS) will be displayed on screen (depends of the selected library source from setup screen). Select a video file you wish to load. Once video file is loaded Play/Stop button will turn red and channel name button will now contain first few letters of the title of the selected video file.

Note that you can also press Play/Stop button to load a video file. However once video file is loaded you must use channel name button to load a new video file.

Video Channel Info and Options

Video channel info and options window contains video information and options for the selected channel: channel color, name, video file artist, title (or video file name), album and loop. Channel color, name and loop are editable.



Loop option: loop playing video file (ON / OFF).

Press Save to apply video channel options, press Cancel to discard changes. Press “trash” button to clear video channel.

Video Options

There are two video options available: ON AIR and Sync Audio. ON AIR is global option and affects all segments of the application. Sync Audio is local option and affect only current video screen of the application.



ON AIR – if turned ON functions like loading audio, video and images, setting channel options, loading and saving setup files are disabled, music plays in the background (even if iPad is locked, home button is pressed, etc.) and it prevents iPad to go to sleep.

It's recommended to turn this ON during real theatre show or live performance!

Sync Audio – video channels can be synchronized with audio channels. There are several modes available:

- OFF – no synchronization,
- ON – full synchronization (video channel play -> audio channel play, video channel stop -> audio channel stop),
- STOP – part synchronization (video channel play -> stop audio channel),
- STOP ALL – part synchronization (video channel play -> stop all audio channels).

Image

Image screen contains 16 image channels and image options. It also contains information of external display connection.

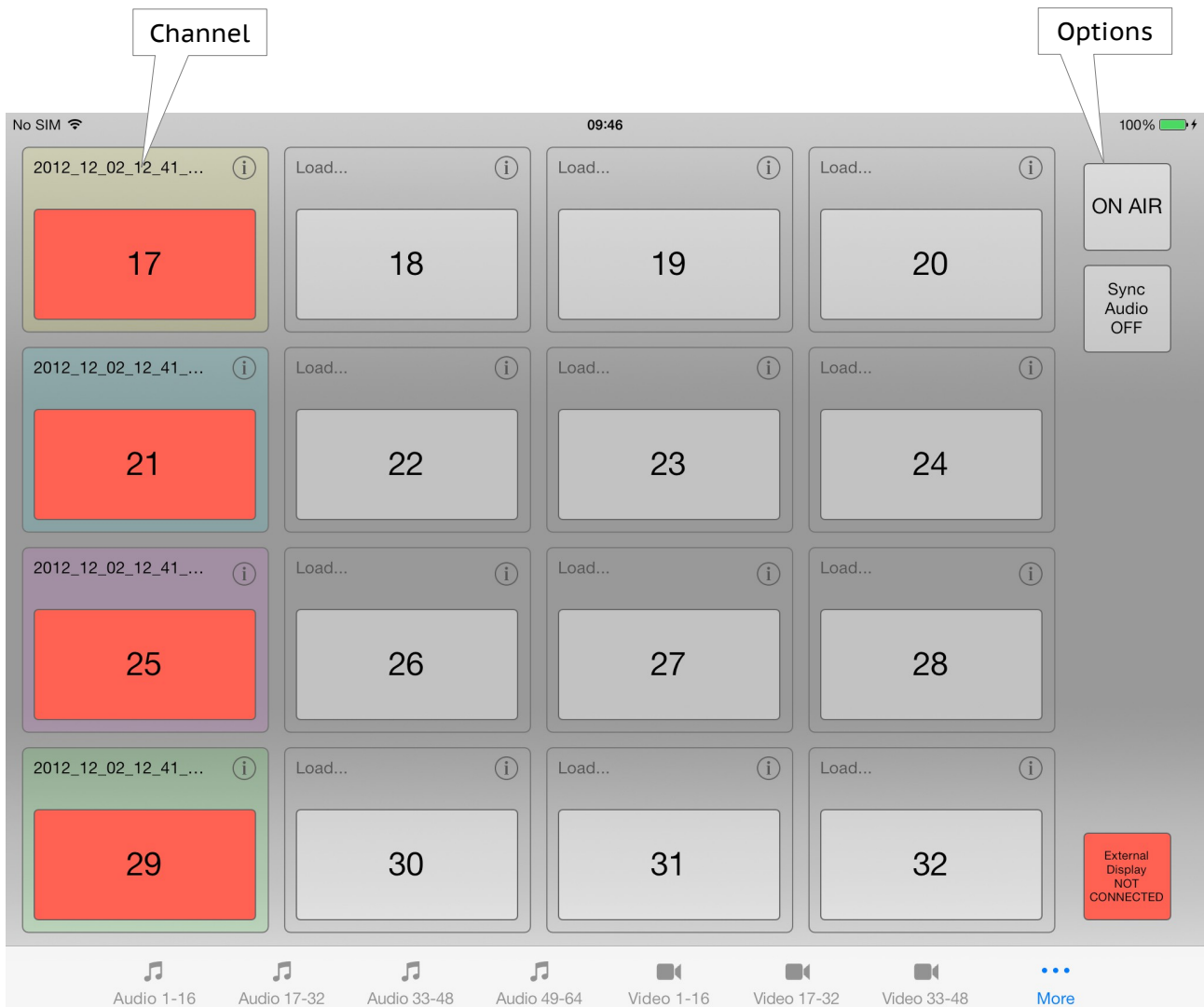
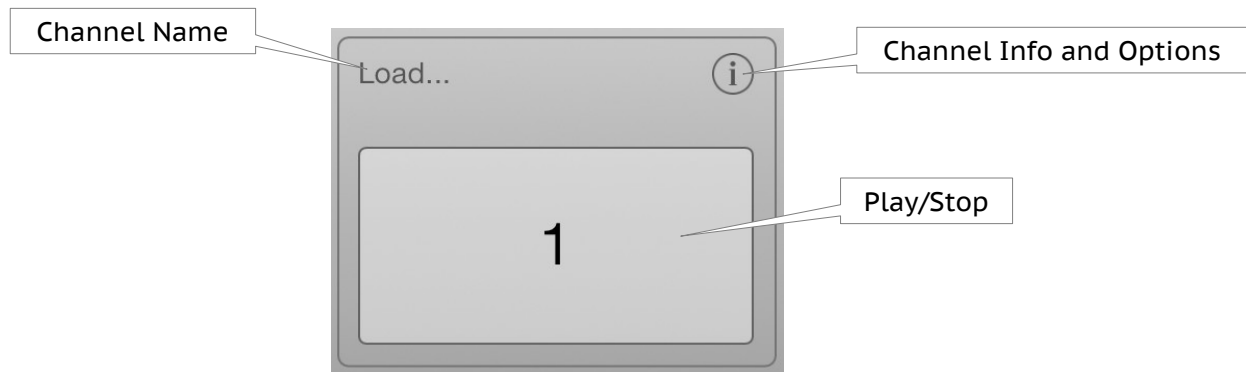


Image Channel

Image channel contains channel name button, channel info and options button and Play/Stop button.

Play/Stop button indicates channel status:

- gray – no image loaded (empty),
- red – stopped,
- light red – stopped, played at least once,
- green – playing.



Load Image File

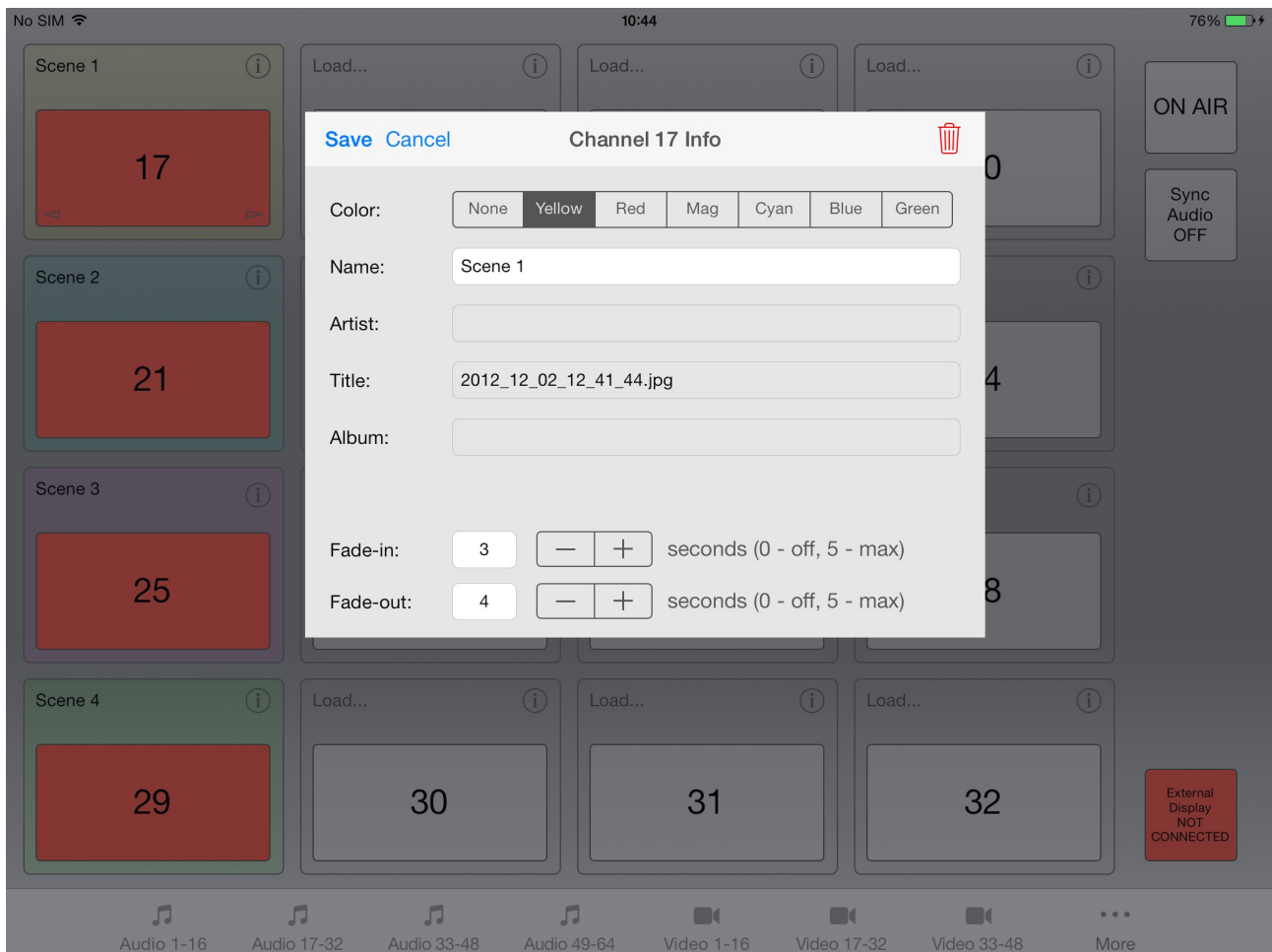
To load an image file press channel name button (Load...). iTunes file sharing documents library will be displayed on screen. Select an image file you wish to load. Once image file is loaded Play/Stop button will turn red and channel name button will now contain first few letters of the title of the selected image file.

Note that you can also press Play/Stop button to load an image file. However once image file is loaded you must use channel name button to load a new image file.

IMPORTANT! For better performance use smaller images.

Image Channel Info and Options

Image channel info and options window contains image information and options for the selected channel: channel color, name, image file name (title), fade-in and fade-out. Channel color, name, fade-in and fade-out are editable.



Fade-in and fade-out: fade-in/out duration in seconds. Value 0 means that fade-in/out is OFF. Maximum fade-in/out duration is 5 seconds.

Press Save to apply image channel options, press Cancel to discard changes. Press "trash" button to clear image channel.

Image Options

There are two image options available: ON AIR and Sync Audio. ON AIR is global option and affects all segments of the application. Sync Audio is local option and affect only current image screen of the application.



ON AIR – if turned ON functions like loading audio, video and images, setting channel options, loading and saving setup files are disabled, music plays in the background (even if iPad is locked, home button is pressed, etc.) and it prevents iPad to go to sleep.

It's recommended to turn this ON during real theatre show or live performance!

Sync Audio – image channels can be synchronized with audio channels. There are several modes available:

- OFF – no synchronization,
- ON – full synchronization (image channel play -> audio channel play, image channel stop -> audio channel stop),
- STOP – part synchronization (image channel play -> stop audio channel),
- STOP ALL – part synchronization (image channel play -> stop all audio channels).

Setup

Setup screen contains New, Open, Save, Delete, Library Source and RATE buttons and a list of saved iMiX16 files (channels setup files).



Buttons:

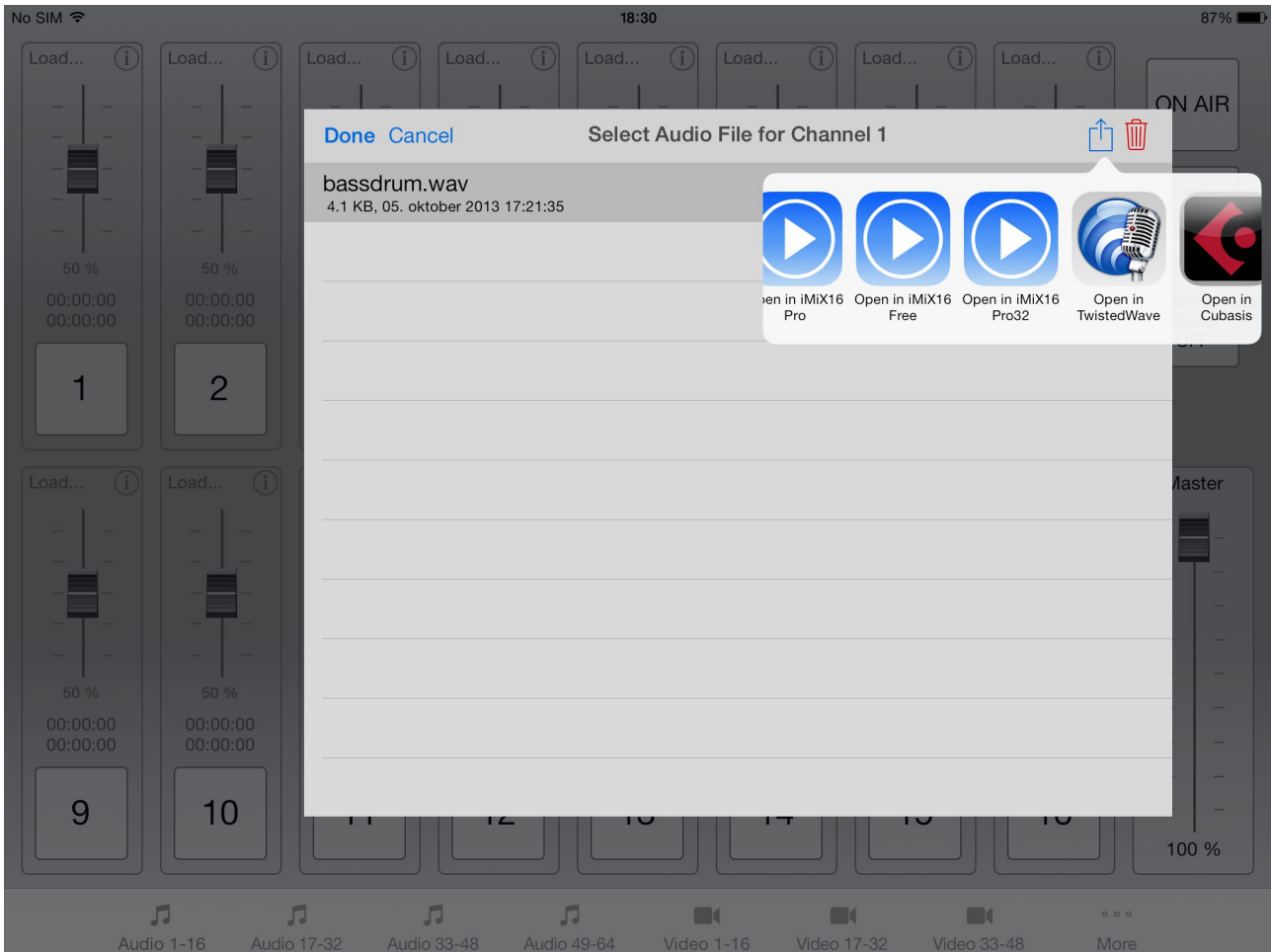
- **New** – create new channels setup. Current channels setup will be cleared. No undo!
- **Open** – open selected channels setup file from the list. Current channels setup will be overwritten. No undo!
- **Save** – save current channels setup to a file. You can choose new file or overwrite existing file. In this case no undo!
- **Delete** – delete selected channels setup file. No undo!
- **Library Source** – select audio and video library source:
 - iTUNES – default iPad's audio and video library,
 - DOCS – iTunes file sharing documents library.
- **RATE** – PLEASE RATE THIS APP, THANKS!

Note that audio, video and image files are not saved into the setup file! So if you delete files from your iTunes library and then open channels setup which contains links to deleted files from library, files will not be loaded.

DOCS library

DOCS library contains audio, video and image files which were manually added to the application via iTunes “file sharing”.

- Supported audio formats and file extensions: AIF, AIFC, AIFF, CAF, MP3 and WAV.
- Supported video formats and file extensions : MOV, M4V, MP4V and MP4.
- Supported image formats and file extensions: JPG, JPEG and PNG.

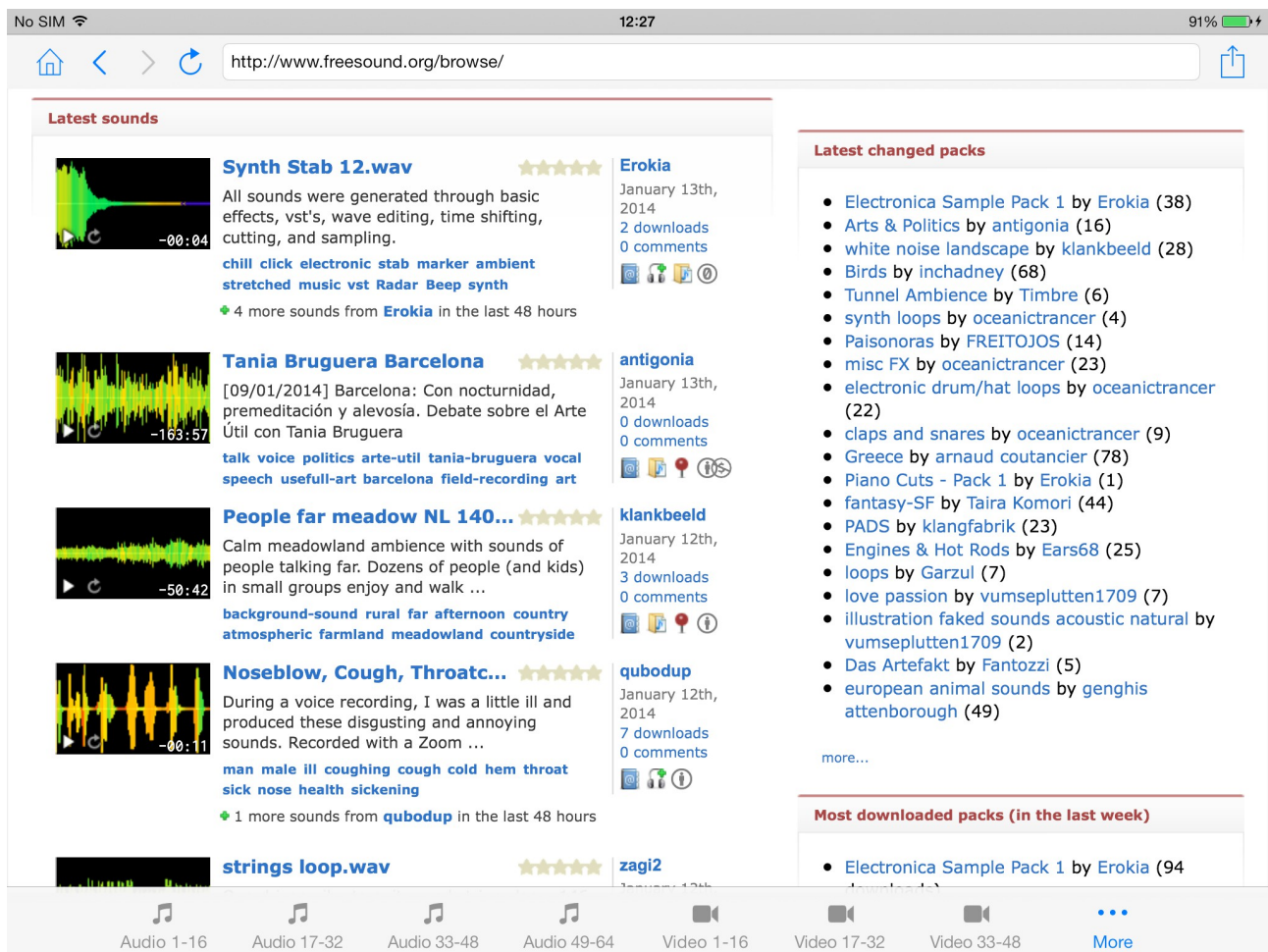


Buttons:

- Select – apply selected file to a channel,
- Cancel – cancel DOCS library window,
- Open in... – open selected file in other apps,
- Delete – delete file from iPad. No undo!

Browser

Download audio, video and image files directly from the internet into the app.



When you press Browser button the default website is loaded www.freesound.org which is (in my opinion) one of the best collection of free audio sounds on the internet. All you have to do is register for free account and/or login and then you can start downloading free sounds directly into the app. The browser is optimized for this website which means that you can use their Download button to download sounds directly into the app. Of course you can navigate to other websites as well and download audio, video and image files. When you have a direct link to the file use download button on the right side of the top navigation toolbar in the app.

Files are downloaded into the app Documents folder and you can access them:

- inside the app if Library Source is set to DOCS (see "Setup" and "DOCS library" topics – pages 15 in 16),
- via iTunes file sharing in the iTunes app on your MAC or PC.

Supported file formats are the same as DOCS library file formats:

- audio: AIF, AIFC, AIFF, CAF, MP3 and WAV,
- video : MOV, M4V, MP4V and MP4,
- image: JPG, JPEG and PNG.