Outline iP24

iPad app user guide

App release 2.1

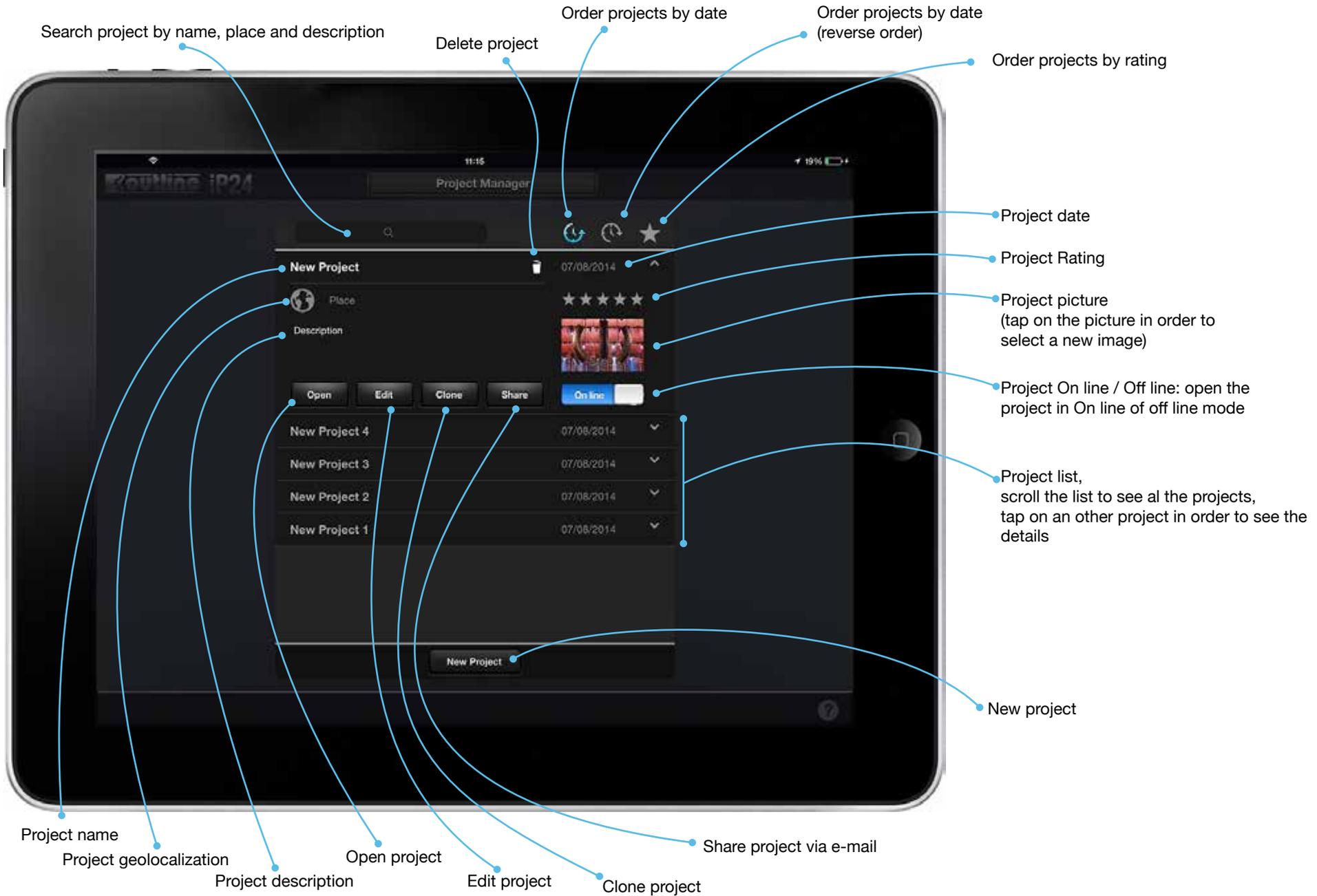# Project Management

Search project by name, place and description

Delete project

Order projects by date

Order projects by date
(reverse order)

Order projects by rating

Project date

Project Rating

Project picture
(tap on the picture in order to
select a new image)

Project On line / Off line: open the
project in On line of off line mode

Project list,
scroll the list to see al the projects,
tap on an other project in order to see the
details

New project

Share project via e-mail

Clone project

Edit project

Open project

Project description

Project geolocalization

Project name

On-screen elements

11:15

Project Manager

Routline iP24

19%

New Project — 07/08/2014 ★★★★★

Place

Description

Open   Edit   Clone   Share   On line

New Project 4   07/08/2014

New Project 3   07/08/2014

New Project 2   07/08/2014

New Project 1   07/08/2014

New Project

Create new / Edit Project

Edit project name

Edit place description

GPS automatic localization button

Edit Description

Drag to change the rating

Project picture,
tap on the picture in order to
select a new image

Discard the changes

Save the changes

11:15

Project Manager

Zoutline iP24

New Project   07/08/2014

Place

Description

Save   Cancel

On line

New Project 4   07/08/2014

New Project 3   07/08/2014

New Project 2   07/08/2014

New Project 1   07/08/2014

New Project

Off line project

Open the Project Manager

Current project name

Save the current project

Share via e-mail the last saved project

Advanced Functions

Routline iP24

Projects

11:15

New Project new

Save

Share

19%

Workspace

Off-line mode

Add a virtual unit

Set the background picture

On-line help
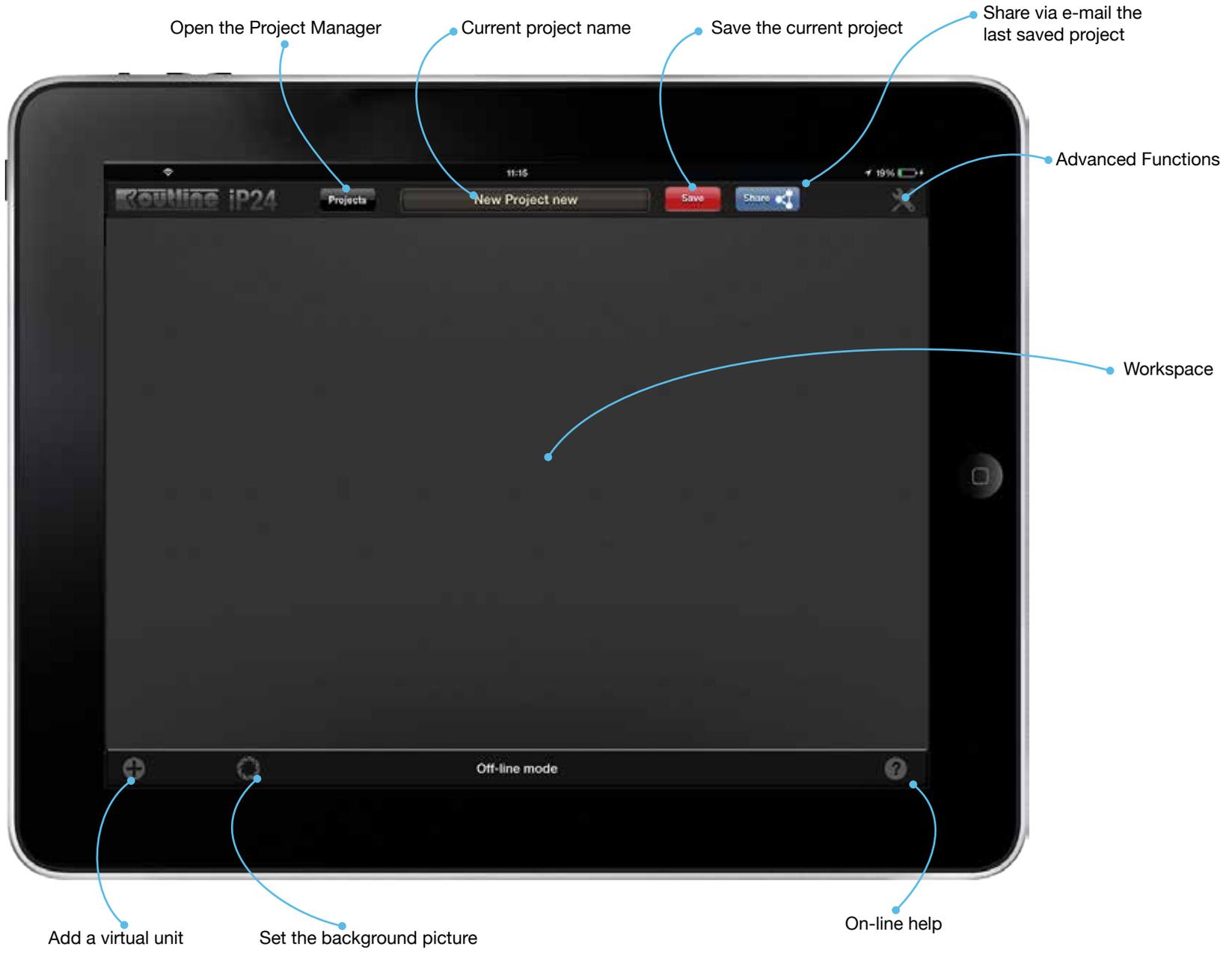
Factory Presets

Open Factory Library

iP24 App Settings

Factory Presets

Factory Preset List

Import Enable

Import Presets

**Off line project
with two virtual iP24**
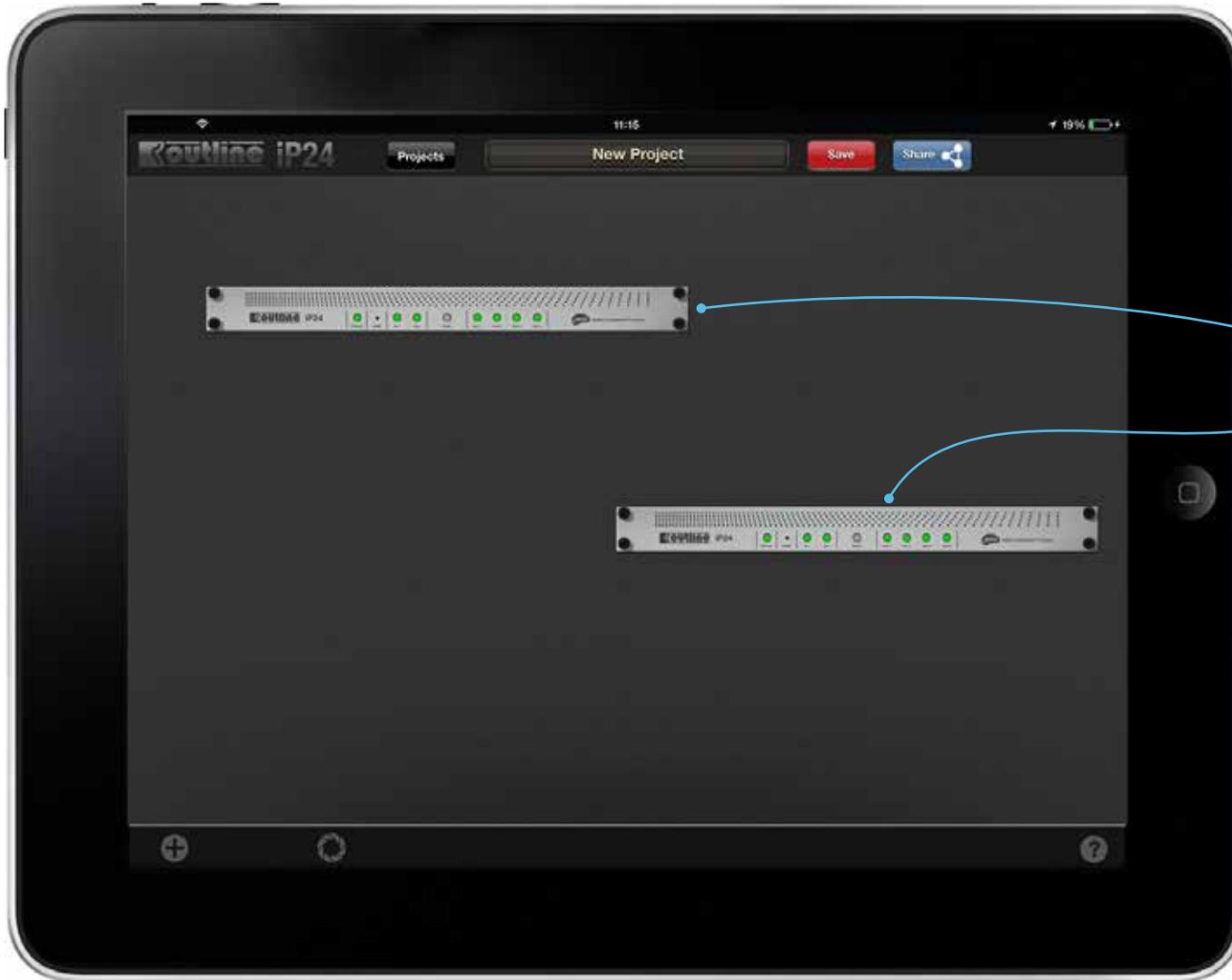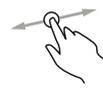
Two virtual units
in the workspace

On line project
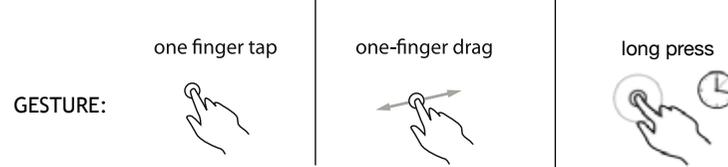
Open the Project Manager

Current project name

Save the current project

Share via e-mail the last saved project

On-line units

If the communication is lost the unit turns grey

The picture replicate the unit's front panel, including real time LEDs:
- green: signal presence
- yellow: signal close to clipping or limiting on the output
- red: channel mute, clipping or hard limiting on the output

Drag the units on the virtual space in order to arrange them

Double tap on a single unit in order to open the advanced unit panel

Long Press on a single unit in order to flat all its audio parameters

On-line help

Reload the workspace
- Update: look for on-line iP24 already in the project
- Search Procesor: look for new on-line iP24

Check on-line devices;
"Check all" turns on all the BLINK LEDs

Set the background picture

Unit Advanced Panel

GESTURE: one finger tap

Device Decription   Mute all outputs   Link unit to a group   Switch on and off the BLINK LED on the unit

Settings (description, network, input selec, firware information and upgrade)

Controls (gain, delay, polarity, mute, filters and limiters)

GPIO configuration and status

Remove unit from the project

Input and output details: name and VU meter for each channel, plus RMS and peak limiter gain reduction amount for each output channel.

Projects   New Project   Save   Share

iP24
iP24 Thom

Check All

PowerLed On/Off

iP24

iP24 2

Digital output: Processed
Input type: Analog
Sensitivity: +20 dBu
Groups settings: Yes
    Input 1   1 group
    Input 2   None

Flat Groups

iP24 Daniele

Check All

List of iP24

Information for each item:
Digital output: Processed or Analog Input Link or
                Digital Input Link
Input Type: Analog or Digital
Sensitivity: +10dBu or +20dBu
Groups settings: Yes or None
Input1: has groups settings or None

Flat all groups settings

PowerLed On/Off all iP24 in the project

Gain and delay control
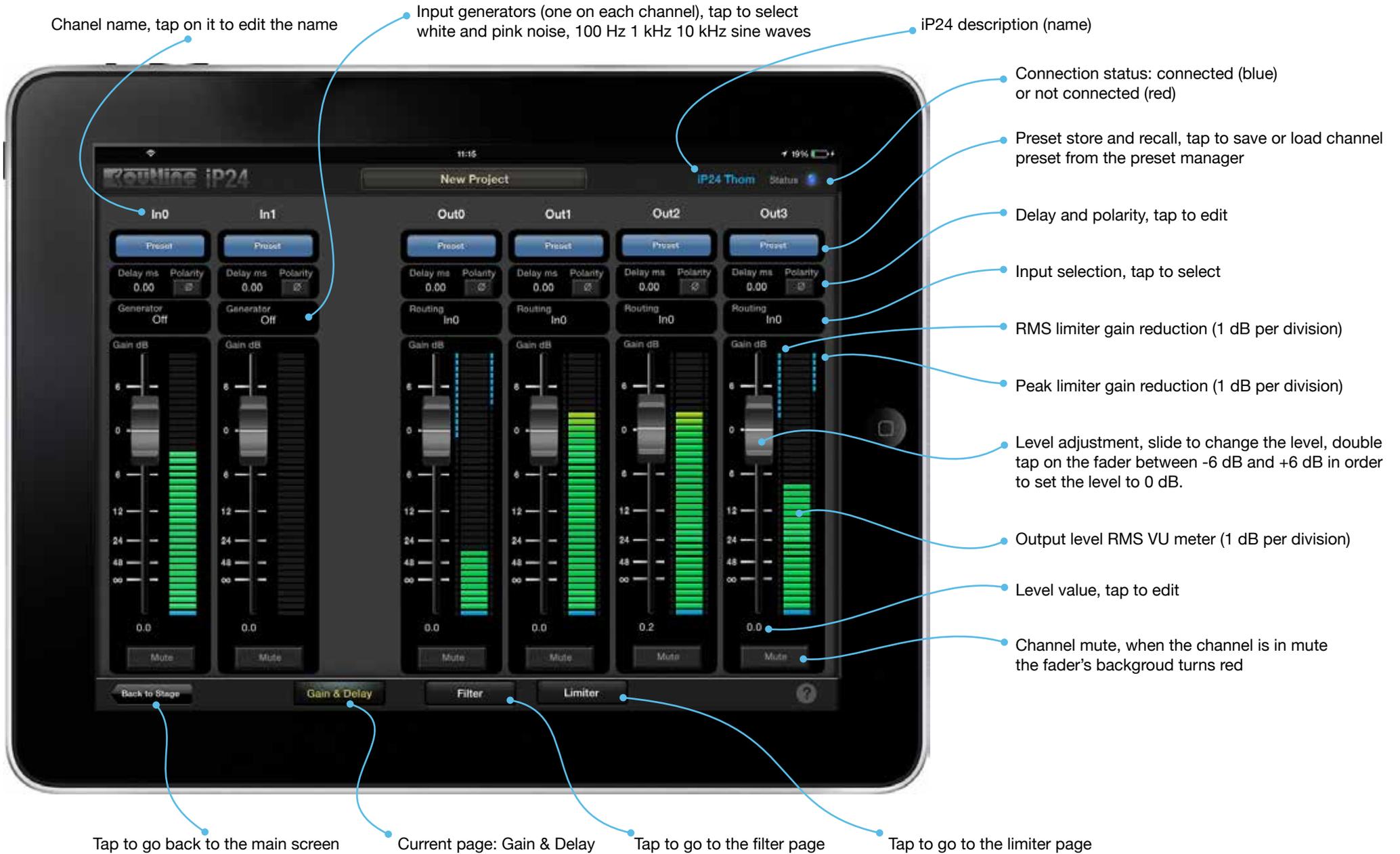
Chanel name, tap on it to edit the name

Input generators (one on each channel), tap to select white and pink noise, 100 Hz 1 kHz 10 kHz sine waves

iP24 description (name)

Connection status: connected (blue) or not connected (red)

Preset store and recall, tap to save or load channel preset from the preset manager

Delay and polarity, tap to edit

Input selection, tap to select

RMS limiter gain reduction (1 dB per division)

Peak limiter gain reduction (1 dB per division)

Level adjustment, slide to change the level, double tap on the fader between -6 dB and +6 dB in order to set the level to 0 dB.

Output level RMS VU meter (1 dB per division)

Level value, tap to edit

Channel mute, when the channel is in mute the fader's backgroud turns red

Tap to go back to the main screen

Current page: Gain & Delay

Tap to go to the filter page

Tap to go to the limiter page

Preset Library
Save the current channel
as a new preset

Information about the new preset
that you would like to create

Parameters locking (password proteced)

Save or don't save the new preset

Preset list, tap in order to load a preset

Preset Library
Load a preset from the library

GESTURE:

one finger tap

one-finger drag

Delete the selected preset from the library

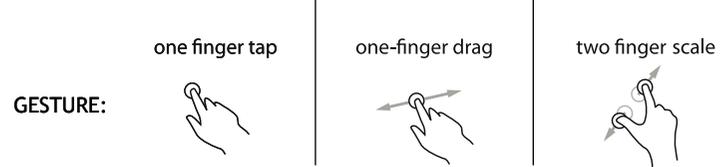Save channel preset of the device on current preset

Selected preset information

Share the preset via e-mail

Clone the selected preset (create a copy with a new name)

Edit selected preset information

Load the selected preset

Filters control
WFIR on the input

iP24 description (name)

Channels, tap on the name to set the current channel

Connection status: on-line (blue) or off-line (red)

Filter type, tap to select the type.

Available filters on each input: raised cosine, band-pass raised cosine, high and low shelving raised cosine.

Available filters on the outputs: parametric, high and low shelving, all pass, 1st and 2nd order high-pass and low-pass.

FFT and Spectrogram controls

Bypass current filter

Filter plot, tap on a point in order to select the filter, drag the point to change frequency and gain, scale (two fingers) to change bandwidth or Q.

Band-pass filter: move the central point to change gain and frequency, tap on the side points in order to change the width of the filter and scale (two fingers) to change the slope.

Flat current layer

Bypass current layer

Filter frequency,
slide to change,
tap on the number to edit

Filter bandwidth,
slide to change,
tap on the number to edit

Filter gain,
slide to change,
tap on the number to edit

Layer selection, 8 filters on each layer,
4 layers on each input (WFIR technology)
2 layers + crossovers on each output

FFT and Spectrogram

one finger tap

This mode activates the FFT and spectrogram measurement using the iPad internal microphone or a signal coming from a sound board connected to the iPad through the camera connection kit.

The FFT graph represents the energy measured at various frequencies. The spectrogram is a graph of the FFT moving in time, with the color representing the enrgy. Both graphs are very useful to identify an acoustic feedback, for example.

Tap to select FFT, Spectrogram or combined view

Stop button, tap to clear the screen

Start / pause button, tap to hold the current FFT and spectrogram data on screen

Settings: speed, scale and offset the FFT and the spectrogram on the screen

Filters plot with FFT curve and spectrogram moving colors.

Peak frequency from measured FFT

Output limiters
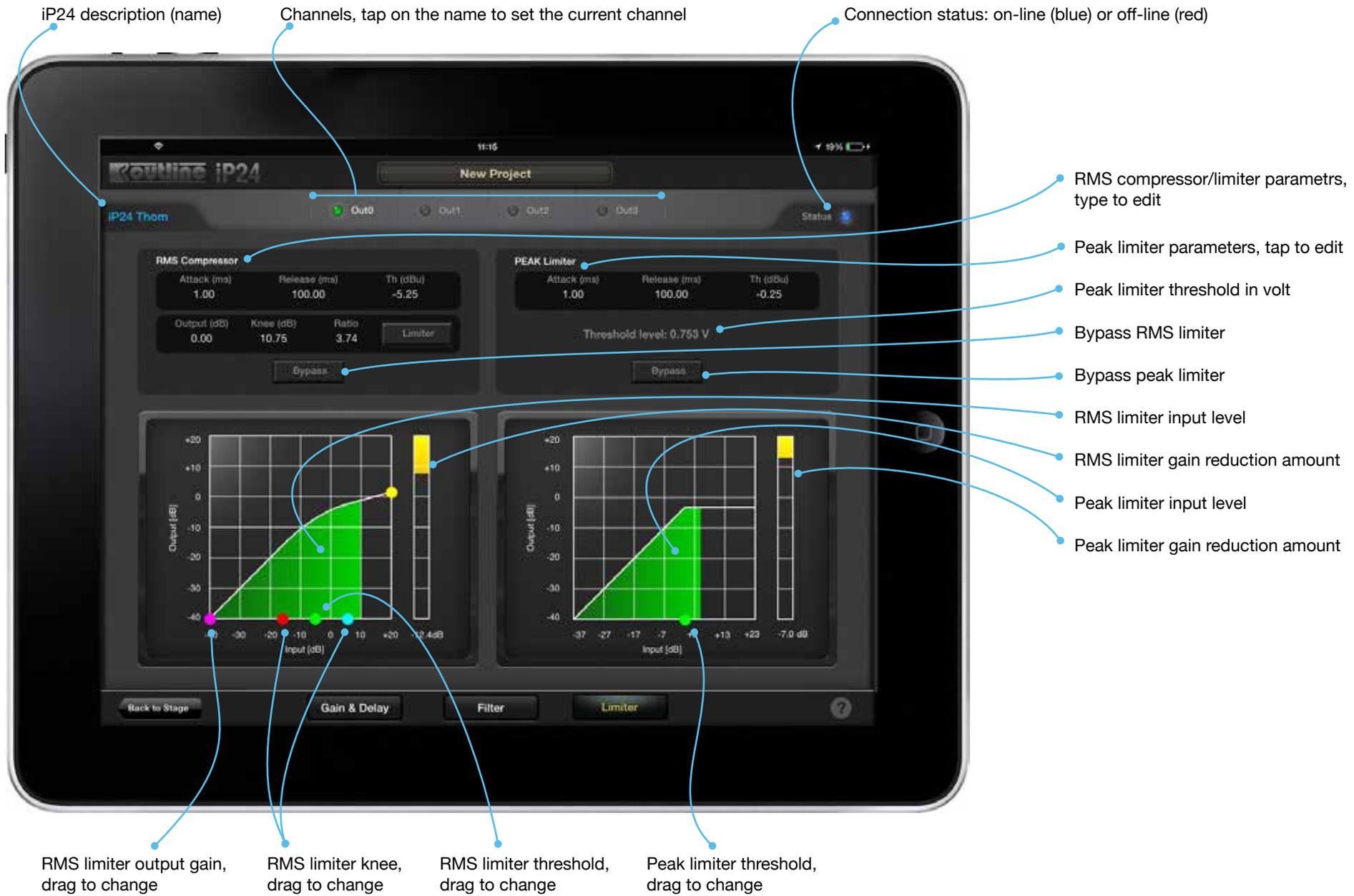
iP24 description (name)

Channels, tap on the name to set the current channel

Connection status: on-line (blue) or off-line (red)

RMS compressor/limiter parametrs, type to edit

Peak limiter parameters, tap to edit

Peak limiter threshold in volt

Bypass RMS limiter

Bypass peak limiter

RMS limiter input level

RMS limiter gain reduction amount

Peak limiter input level

Peak limiter gain reduction amount

RMS limiter output gain, drag to change

RMS limiter knee, drag to change

RMS limiter threshold, drag to change

Peak limiter threshold, drag to change

Unit settings
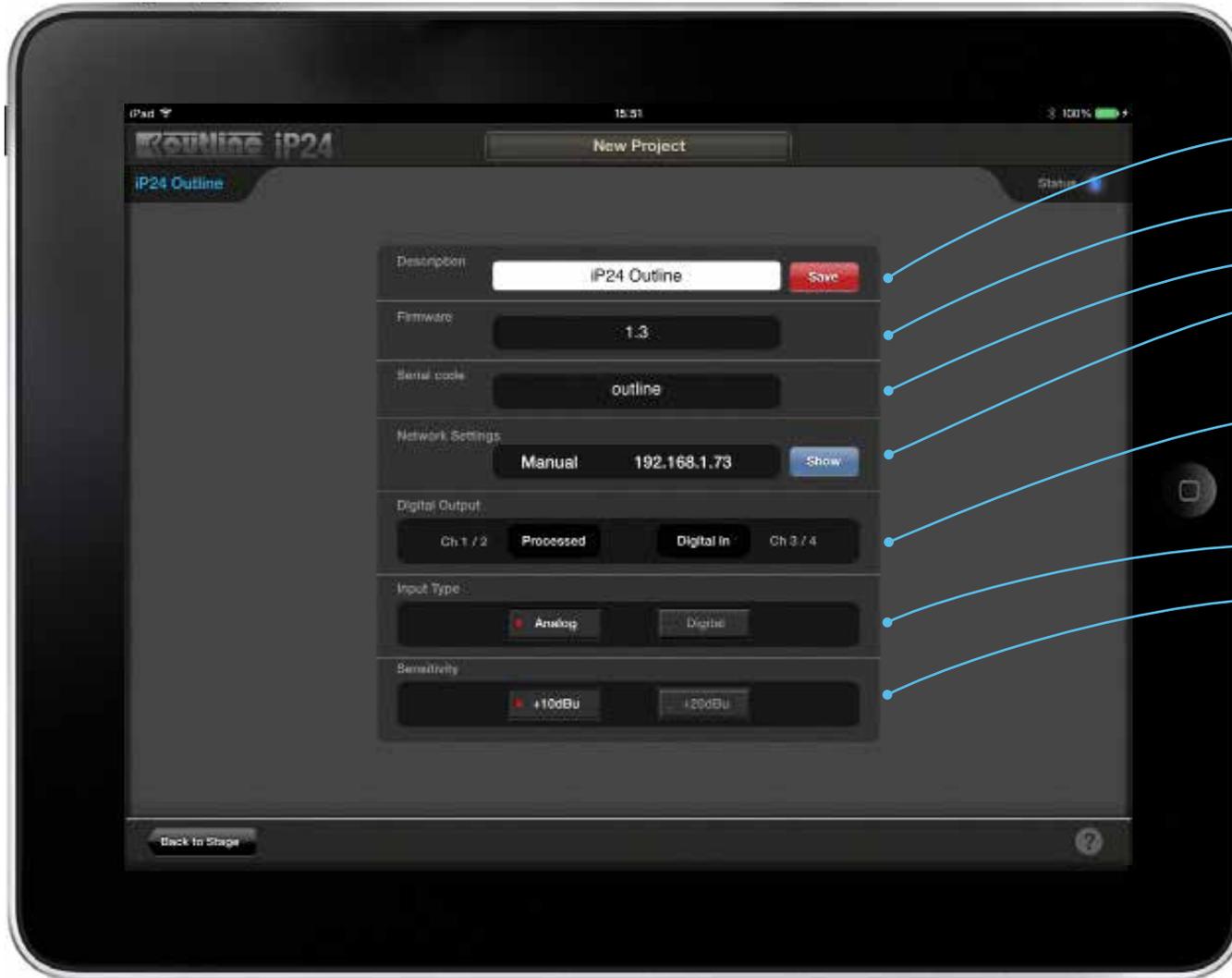
Description (name) of the device, tap to edit, tap "save" to apply

Firmware version and update (if required)

Serial code

Manual or automatic (DHCP) network mode, current IP address, tap "show" for advanced network settings

Digital Outputs selection between:
- processed signals
- unprocessed Analog Input
- unprocessed Digital Input

Input selection (analog or digital)

Analog sensitivity (+20 dBu / +10 dBu)

GPIO settings

GP IN 1 & 2 status (yellow is on)

GP IN 1 function, tap on each button in order to select a function, more than one function is assignable to the same GP input.

GP OUT 1 & 2, tap on the button to activate the output, see user manual

RS 485 serial communication with the amplifier (coming soon)

Group creation

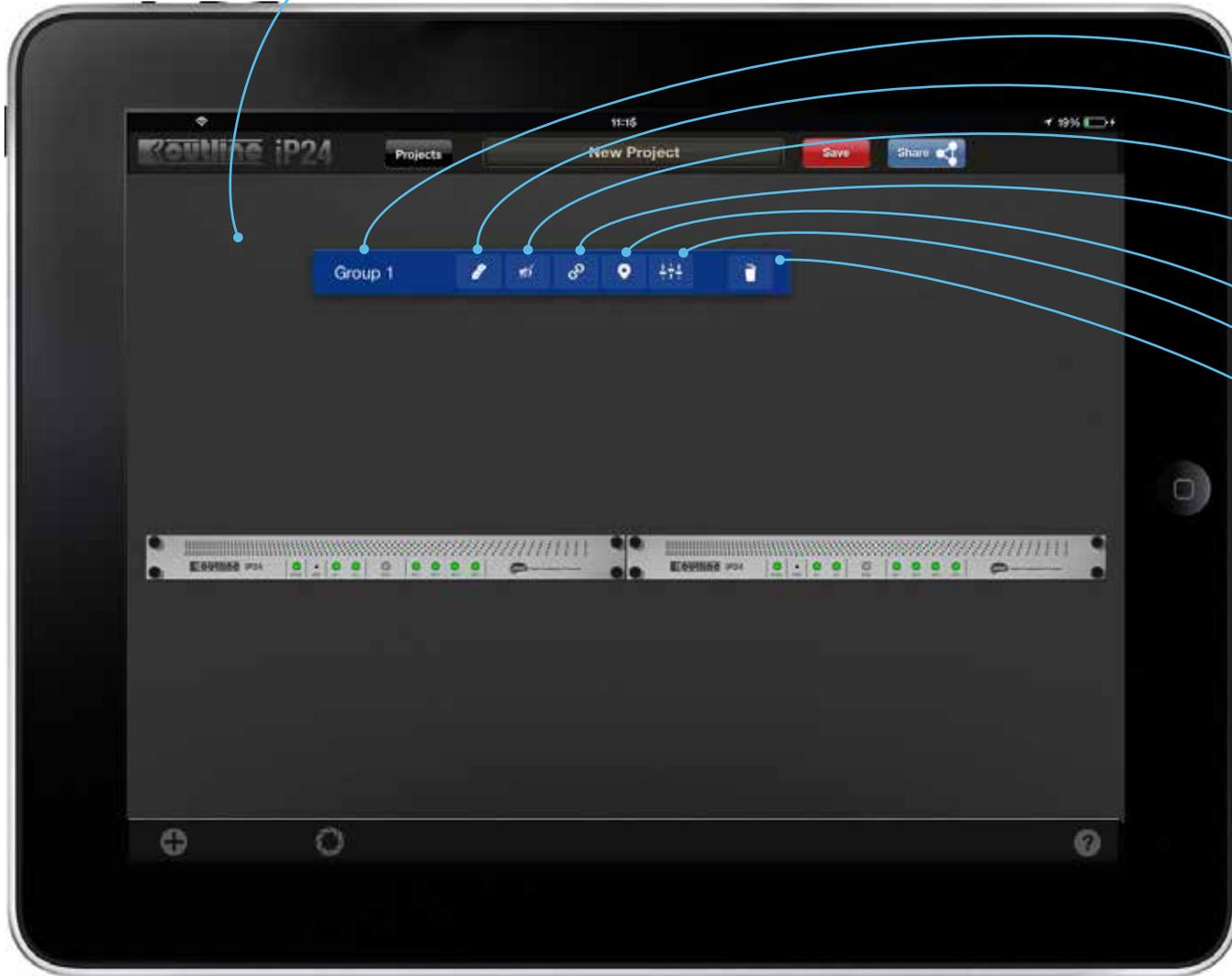Long Press on the workspace to create a group

Group name

Edit group name

Mute all channels connected to the group

Remove links to the unit (tap on this button and then drag a line from the group to the unit)

Blink LED on and off on all connected units

Group controls
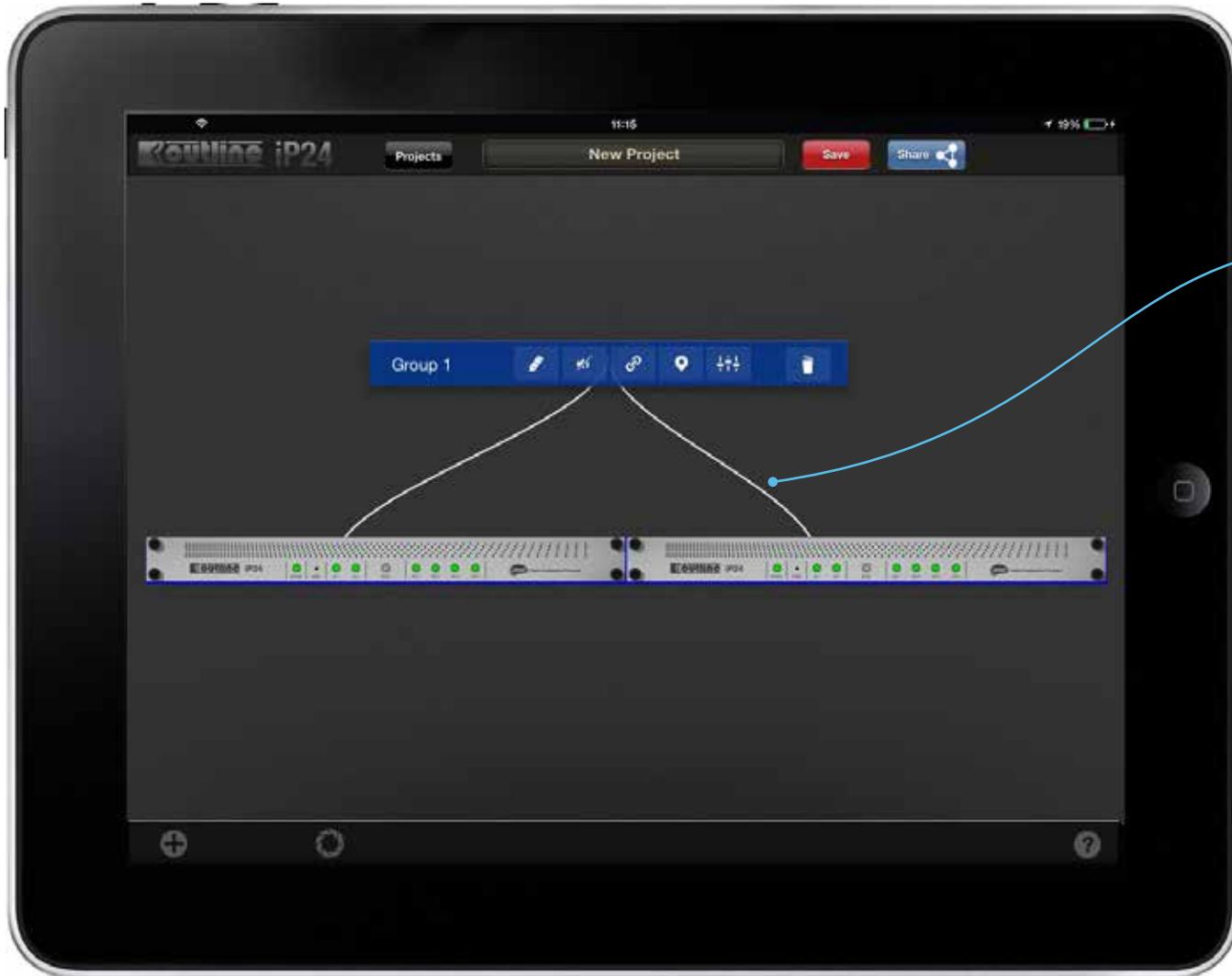
Remove the group from the project

Group 1

Koutline iP24   Projects   New Project   Save   Share
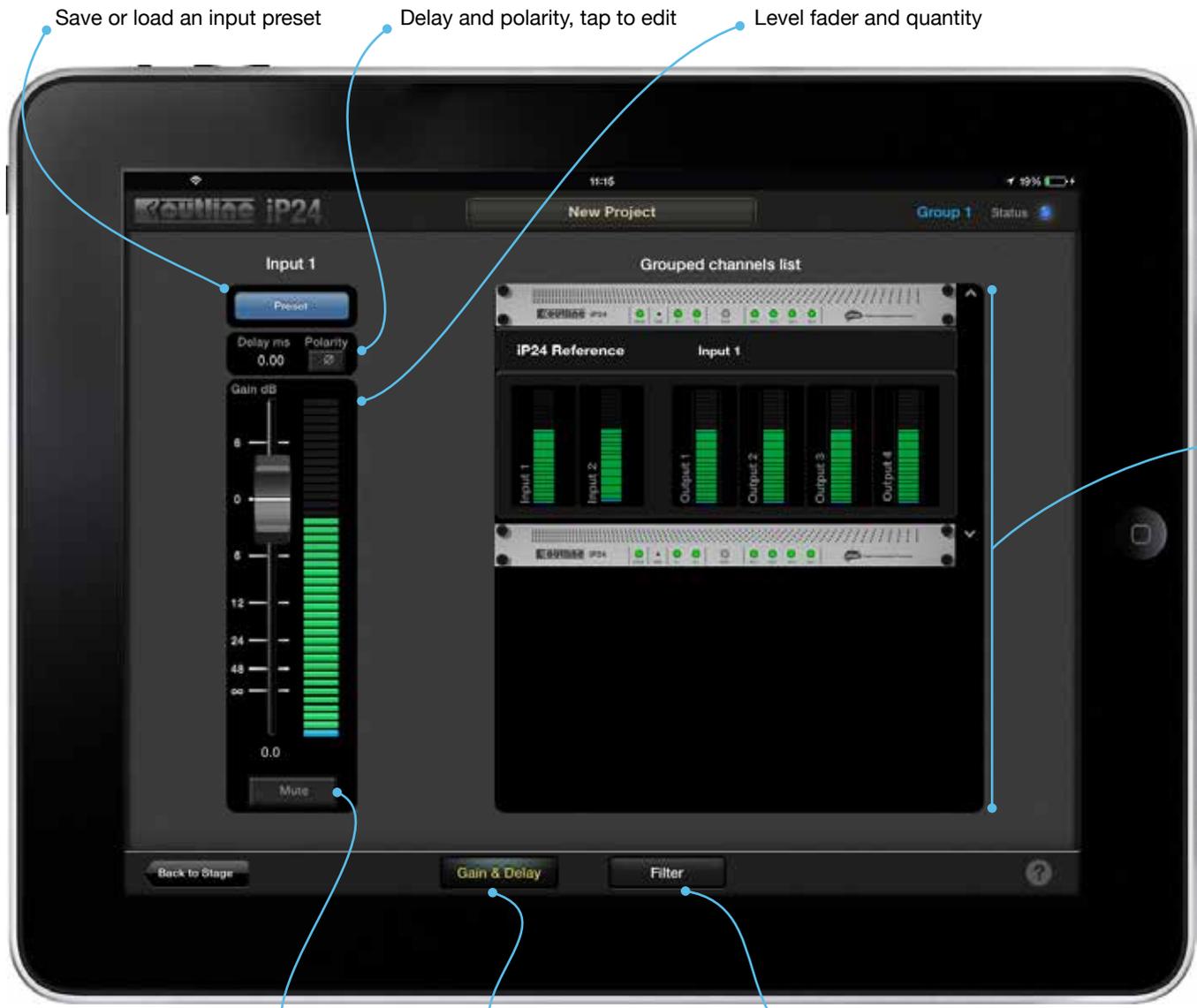
Link unit to the group

Click on the "Link" button on the unit and drag a line from it to the group, then select the input to link to the group.

The lines represent the assignment of the channels to the group

The same channel can be assigned to three groups

Group control

Save or load an input preset   Delay and polarity, tap to edit   Level fader and quantity

List of connected units with real time feedback, tap on one units in order to see the details

Group mute   Current page: Gain & Delay   Tap to go to the filter page

Group equalizer

Equalizer plot
8 filters on each layer,
4 layers for each group