AIRLITE

Configuration Manager

User Manual

VERSION 1.0

Smart in Solutions

Contents

1   Introduction

Airlite Configuration Manager is a software tool to configure the Airlite console. This manual describes the features *Airlite Configuration Manager* contains and how to setup and use the application.

2   Connection & Setup

Airlite Configuration Manager communicates indirectly with the Airlite console over an Ethernet connection using UDP/IP (User Datagram Protocol). Since the only available physical communication interface on the Airlite console is USB, another *Airlite Service* application is required to run on the PC the Airlite is connected to (Server).The *Airlite Service* act as a USB/UDP gateway and provides a communication interface for client applications anywhere on the network, like *Airlite Configuration Manager*.
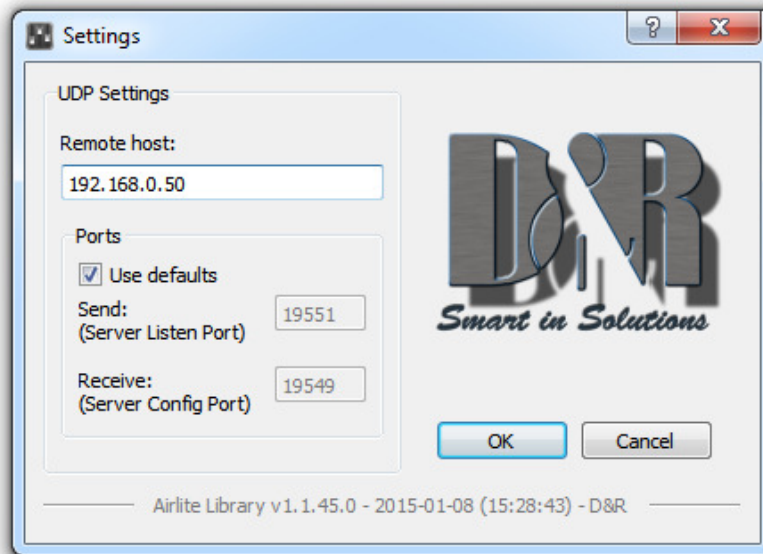
In order to use *Airlite Configuration Manager* follow the steps below:

1. Connect the Airlite with the supplied USB cable to the server PC
2. Install, configure and run the *Airlite Service* application on the server PC
3. Run *Airlite Configuration Manager* on any PC in the network, or from your home!
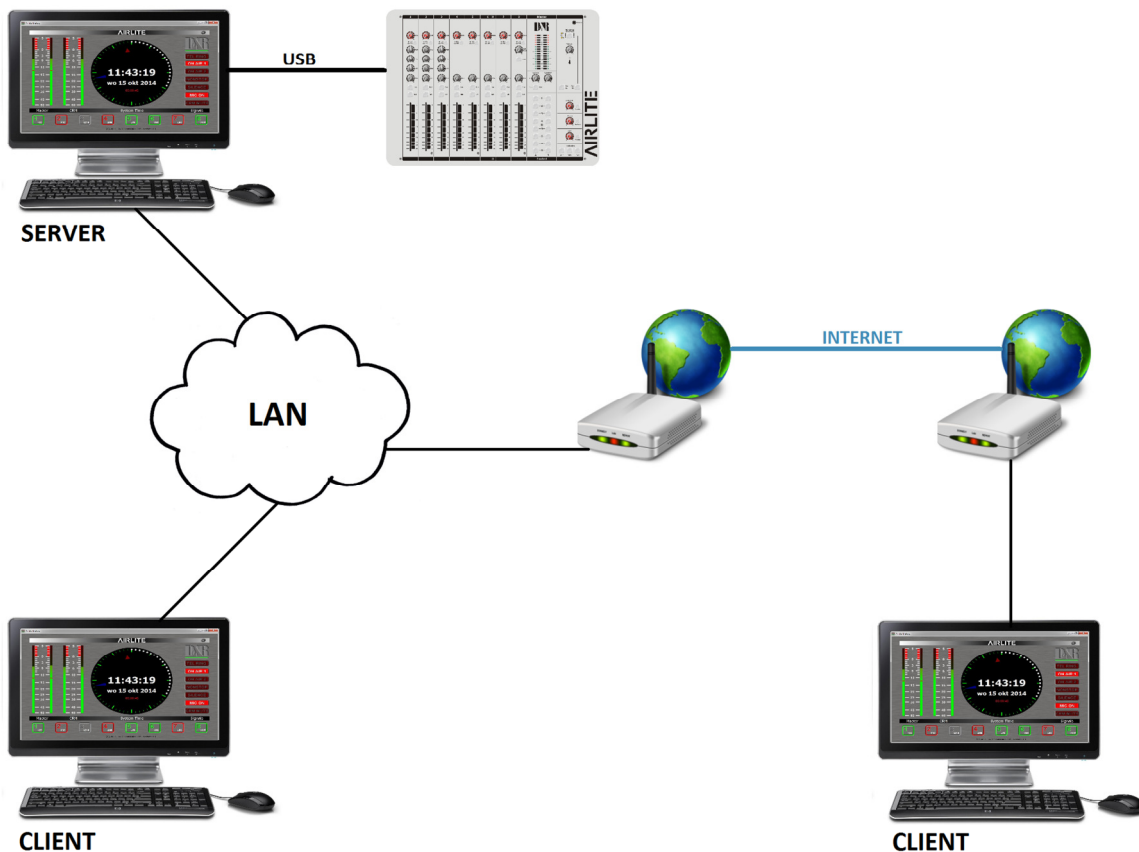
3   Communication

Pressing Options->Communication from the menu bar will open the communication settings window.

3.1   Remote Host

In the Remote Host field the IP address of the server needs to be specified. For running the *Airlite Configuration Manager* on the server PC one can use the 127.0.0.1 (localhost) IP address.

3.2   Ports

Airlite Configuration Manager uses a send- and receive port for the communication to/from the Airlite console. By default these ports are pre-configured and do not need to be changed unless specific port configuration is required.

4 Module Settings

In this chapter the module settings for the eight modules present in the console are discussed. Each module has its own settings tab.

->ALL

Apply a configuration section of the selected module to all other modules.

APPLY to all modules

Apply entire configuration of the selected module to all other modules

4.1 Power ON Active

The Airlite console contains ON-switches to activate a specific module.

If *ON Active* in the *Power* section is enabled the module will be active when powering the console. Using this function while a power outage occurs prevents silence on air if no person is in the studio to (re-)activate the module.

4.2   Auto CUE Reset

When the CUE-switch of a module on the console is activated (also called PFL) the selected source (LINE or MIC/USB/VoIP) will be routed to the CUE buss. To deactivate a module from the CUE buss one can press again the CUE-switch.

The *Auto CUE Reset* feature can reset the CUE buss (deactivate all modules from the CUE buss) automatically by Fader, ON and/or Fader+ON. The function can be enabled for LINE and MIC/USB/VoIP separately.

4.3   Fader Dynamics

The fader top level can be set to +10dB instead of the normal 0dB level with this setting enabled. This results in 10dB more headroom which could be desirable in certain circumstances.

4.4   On Air Busses

Two logical on-air busses are available which can be enabled for LINE and/or MIC/USB/VoIP for each module.

4.5   Switch Colors

In the *Switch Colors* section the colors of the ON- and CUE switches can be configured to be OFF, RED, or GREEN depending on the state of the switch-function. It is up to the user to define a suitable color for a corresponding state.

ON states:
- ON Active
- ON and Fader Active
- ON Inactive

CUE states:
- CUE Active
- CUE Inactive

4.6   CRM Feedback Prevention

** These settings are only available for modules 1,2 and 3 (MIC modules) **

In order to prevent feedback from a microphone in the Control Room the functions *CRM Mute* and *CRM Auto Cue – (AutoDeactivate)* can be enabled.

CRM Mute:
- ➢ Mute CRM buss when the module is active (MIC selected).

CRM Auto Cue – (AutoDeactivate)
- ➢ Deactivate the Auto Cue CRM function when cue'ing module (MIC selected).

4.7   Studio Remote

** These settings are only available for modules 1,2 and 3 (MIC modules) **

With a studio remote connected to the GPI connector at the back of the console one is able to perform Cough and Comm (Communicate) functionality.

Cough:
- ➢ if enabled the module is muted when the cough button on the studio remote is pressed

Comm:
> if enabled the module is deactivated and put on the CUE buss when the comm button on the studio remote is pressed.

Comm Private:
> if enabled the module is deactivated and put <u>IF ONLY</u> on the CUE buss when the comm button on the studio remote is pressed. (Comm must be enabled).
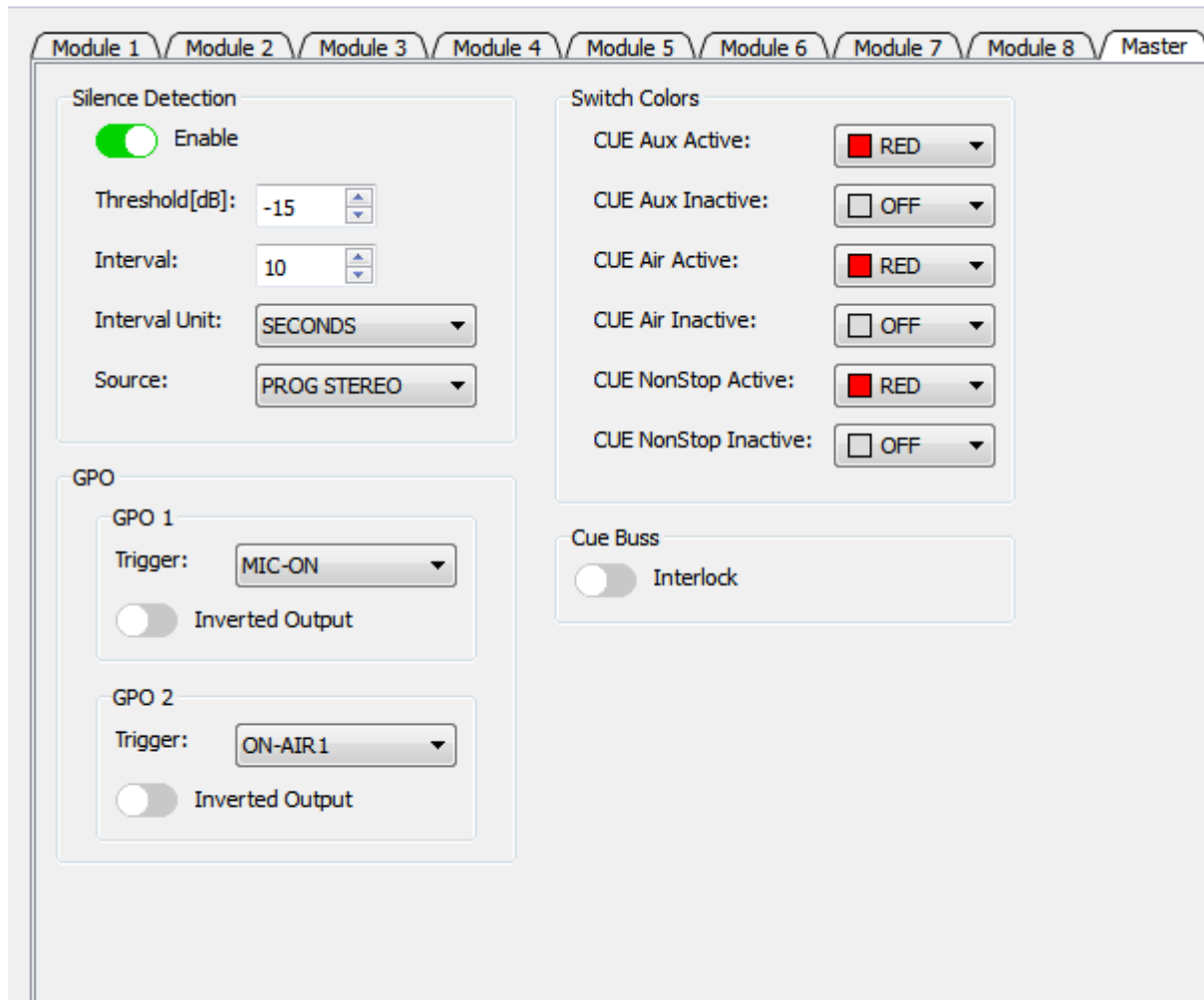
4.8   Microphone

*** These settings are only available for modules 1,2 and 3 (MIC modules) ***

Phantom enables +48V power on the MIC XLR-connector required for condenser microphones.

5 Master Settings

In this chapter the master settings of the console will be discussed.

5.1 Silence Detection

The Airlite console is equipped with a software silence detection unit and is used to monitor the program buss (left, right or stereo) in the event of the signal going below the *threshold* (-40...0dB) after a given *interval*. In this situation the unit will go into ALARM state and switches the nonstop source to the master output. The *Interval Unit* can be set to seconds or minutes.

The red flashing nonstop switch on the console indicates the alarm state. The silence alarm can be reset by pressing the nonstop switch (will become green). Program buss is routed to the master output after the reset.
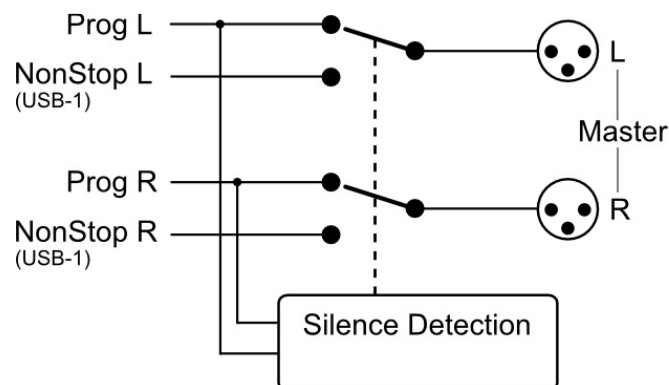
5.2 GPO

The Airlite console contains two GPO's (General Purpose Output). These GPO's can be triggered by different events. In some cases the output needs to be inverted to obtain the correct result depending on the connected target (On-Air lamp e.g). The *Inverted Output* inverts the output of the GPO easily where otherwise a relay is needed.

GPO Triggers:
- On Air 1
- On Air 2
- Phone
- Mic On
- Non Stop
- Module 1..8 Active

5.3 Switch Colors

In the *Switch Colors* section the colors of the CUE switches for the Aux, Air, and NonStop can be configured to be OFF, RED, or GREEN depending on the state of the switch-function. It is up to the user to define a suitable color for a corresponding state.

CUE states:
- CUE Active
- CUE Inactive

5.4 Cue Buss Interlock

If enabled only one module can be active on the CUE buss. Selecting a second module on the CUE buss will result in switching to this module. Pre listen to several modules can be done in a fast way with this feature.

6 Read/Write Configuration from/to console

To read the configuration from the console into the *Airlite Configuration Manager* one needs to press the 'READ' button. The Firmware field shows the current firmware in the console after the read command. Once the configuration is read successfully, adjustments can be made and written back to the console or saved as a preset.

Pressing the 'WRITE' button uploads the current configuration in *Airlite Configuration Manager* to the console. The configuration is directly active but not saved internally. The configuration is lost after a power off.
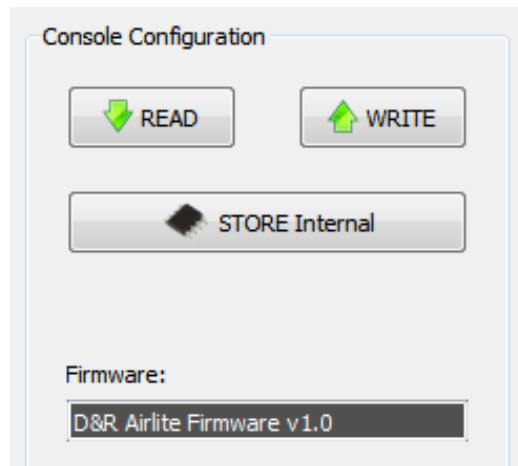
6.1 Store Internal

The *Store Internal* button stores the current configuration in the console to persistent memory (EEPROM). This means the configuration is still active after a power off. A warning will be prompted to make sure you want to overwrite internal saved configuration.
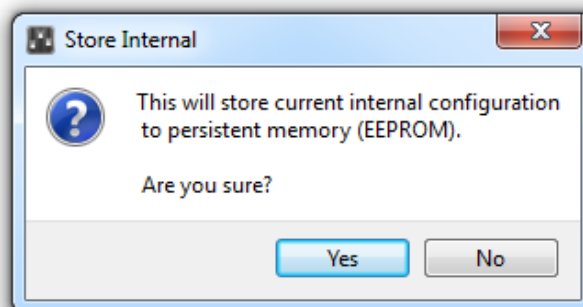
7 Configuration Presets

Airlite Configuration Manager is able to import/export the configuration from/to a preset file. These preset files have the .xml file extension. A preset file includes the module and master settings.

7.1 Create Preset

Saving a preset can be done by pressing File->Save(as) from the menu bar.

7.2 Load Preset

Loading a preset can be done by pressing File->Open from the menu bar and selecting the preset file.