

MAGIC System Manager

Quick Guide

Version 1.130 (13. January 2023)

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- Connecting to Units
- Main Panel
- Sidebars
- Local Settings
- SIP Account Manager
- Examples
- Support

MAGIC System Manager

Overview

Menu -
Configuration

Pages to group
devices



Devices

Configurations &
SIP assignments

MAGIC System Manager

Connecting to Units

- Navigate to MENU – CONTROL INTERFACE to open the CONTROL PORT SETTINGS.
- Add up to 99 units by directly editing the INTERFACES table:
 - PAGE: Select a page to group devices.
 - ALIAS: Enter a name for the device which can be displayed on the main panel.
 - IP ADDRESS: Enter the IP address for PC control of the device.
 - SNMP PORT: Enter the SNMP port the device uses.
 - NETWORK: Select the network card of the PC which can connect to the device.
 - POLLING: Select the interval for updating the device status.

Control Port Settings

Interfaces

#	Page	Alias	IP Address	SNMP Port	Network	Polling
1	Bahrain TV	Studio 1	192.168.195.201	161	Realtek PCIe GbE Family Contr...	2 seconds
2	Bahrain TV	Studio 2	192.168.195.202	161	Realtek PCIe GbE Family Contr...	2 seconds
3	Bahrain TV	Studio 3	192.168.195.203	161	Realtek PCIe GbE Family Contr...	2 seconds
4	Bahrain TV	Studio 4	192.168.195.204	161	Realtek PCIe GbE Family Contr...	2 seconds
5	Bahrain TV	Studio 5	192.168.195.205	161	Realtek PCIe GbE Family Contr...	2 seconds
6	Bahrain TV	Studio 6	192.168.195.206	161	Realtek PCIe GbE Family Contr...	2 seconds
7	Bahrain TV	Studio 7	192.168.195.207	161	Realtek PCIe GbE Family Contr...	2 seconds
8	Bahrain TV	Studio 8	192.168.195.208	161	Realtek PCIe GbE Family Contr...	2 seconds
9	Bahrain TV	Studio 9	192.168.195.209	161	Realtek PCIe GbE Family Contr...	2 seconds
10	Bahrain TV					
11	Bahrain TV					
12	Bahrain TV					
13	Bahrain TV					
14	Bahrain TV					
15	Bahrain TV					
16	Bahrain TV					
17	Bahrain TV					
18	Bahrain TV					
19	Bahrain TV					
20	Bahrain TV					
21	Bahrain TV					

Load Save Up Down Delete Delete All

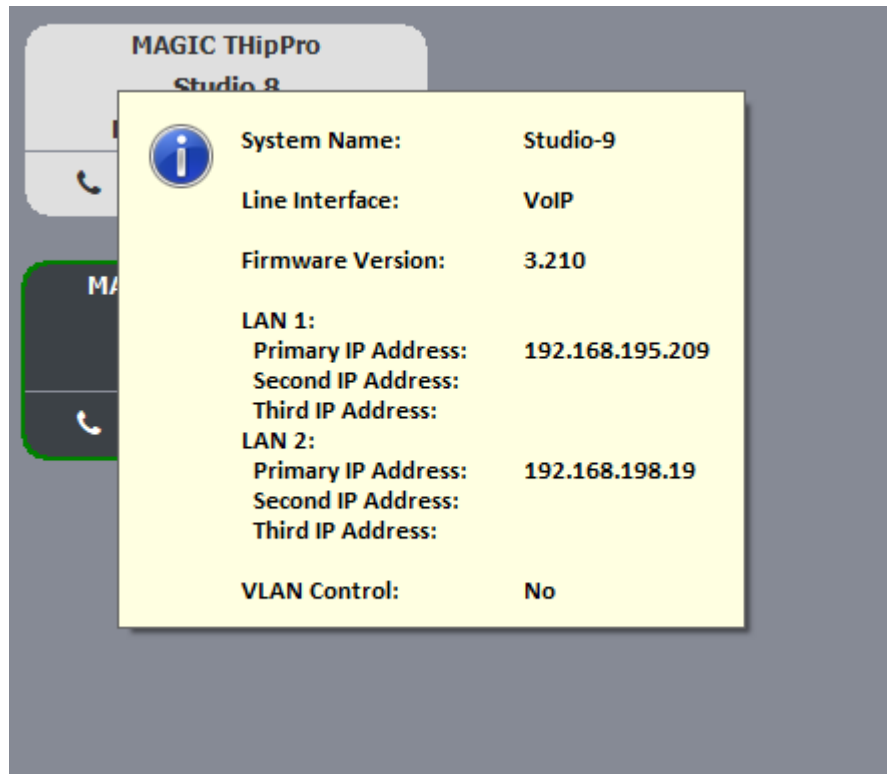
OK Cancel

MAGIC System Manager

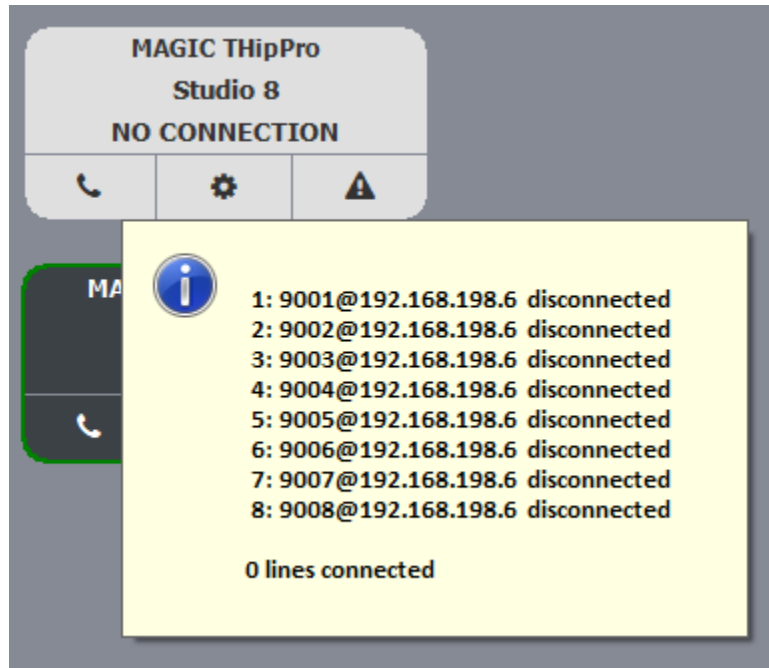
Main Panel




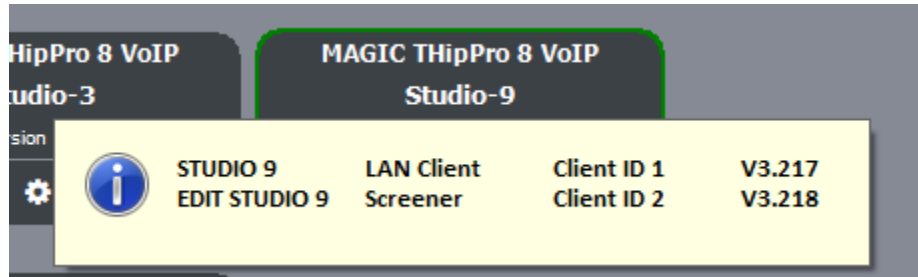
- Each device is represented by a DEVICE CARD on the main panel.
- The device card displays:
 - Device Type
 - Name: Either alias or system name.
 - Firmware Version
 - ☎ : Shows whether there is a call on the device ② or not ①.
 - ⚙ : Shows whether and where the configuration windows is opened:
 - ①: not opened.
 - ②: opened at another workplace. A lock symbol is also displayed on the device card.
 - ③: opened by the System Manager. An edit icon is also displayed on the device card.
 - ⚠ : Shows whether there is an active alarm on the device ② or not ①.
 - The currently selected device is displayed with a green frame ③.



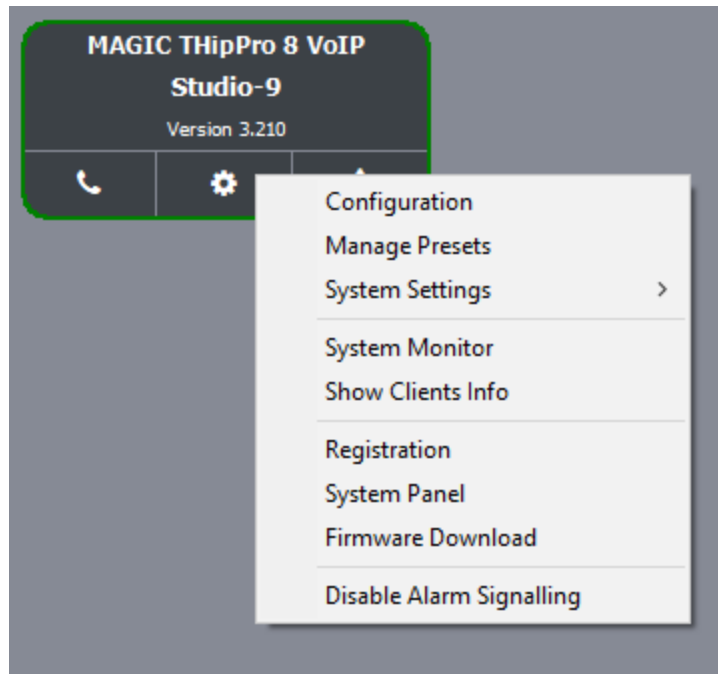
- Click on the DEVICE CARD to show more details:
 - SYSTEM NAME: Shows the system name which is configured on the GENERAL configuration page of the device.
 - LINE INTERFACE: Shows which line interface mode is used by the device (ISDN, POTS, VoIP).
 - FIRMWARE VERSION: Shows the firmware version of the device.
 - LAN INTERFACES: Shows the IP addresses used by the device.
 - VLAN CONTROL: Shows whether VLANs are enabled on the device.



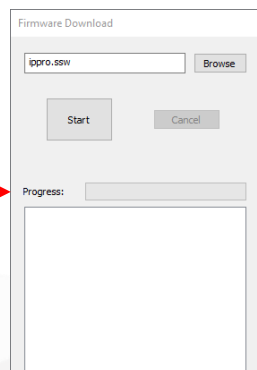
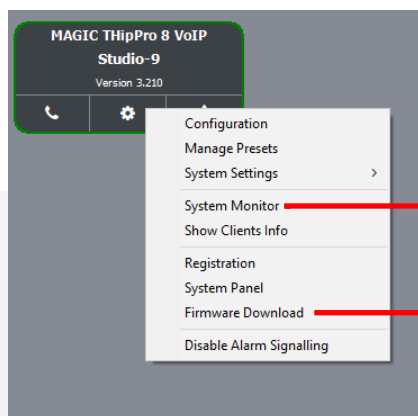
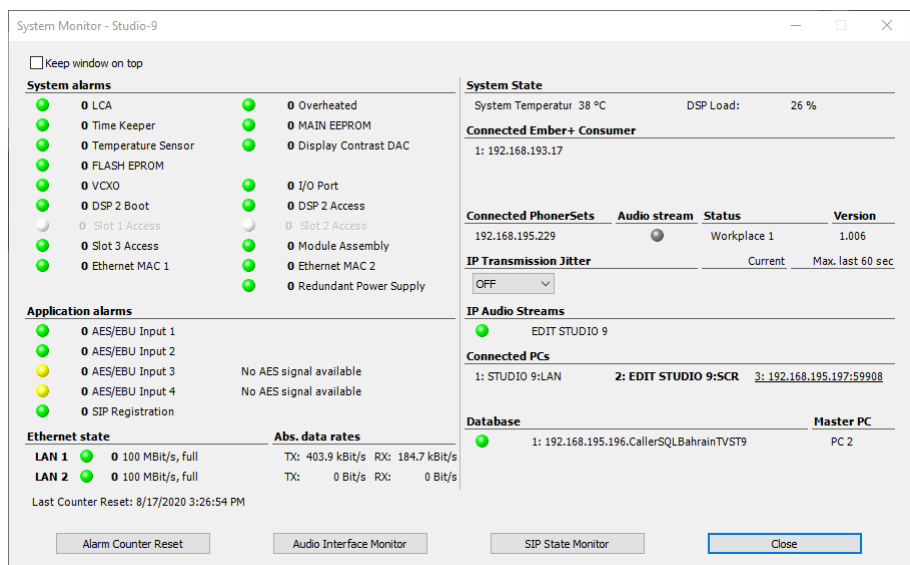
- Click on the  symbol on the DEVICE CARD to show more details on the line interface
 - In VoIP (LAN / SIP) mode:
 - SIP accounts and servers for each line
 - Number of lines with active calls.



- Click on the DEVICE CARD using the right mouse button and select SHOW CLIENTS INFO to display information on the connected PC clients:
 - ALIAS: As defined in the Clients / Security list of the device.
 - TYPE: LAN Client, Screener Client.
 - CLIENT ID: As defined in the device's configuration
 - SOFTWARE VERSION: Of the client software.



- Click on the DEVICE CARD using the right mouse button to open the context menu:
 - CONFIGURATION: Open the device's configuration.
 - MANAGE PRESETS: Activate, create, edit, delete Presets of the selected device.
 - SYSTEM SETTINGS: Export and import the device's configuration.
 - SYSTEM MONITOR: Open the System Monitor of the device.
 - SHOW CLIENTS INFO: Display details on the PC clients connected to the device.
 - REGISTRATION: Show type, serial number and installed licences of the device.
 - SYSTEM PANEL: Open the command line interface of the device.
 - FIRMWARE DOWNLOAD: Update the firmware of the device.
 - DISABLE ALARM SIGNALLING: Enable to disable the alarm indicator on the device card. The alarms of the device are also not considered for the page summary alarm.

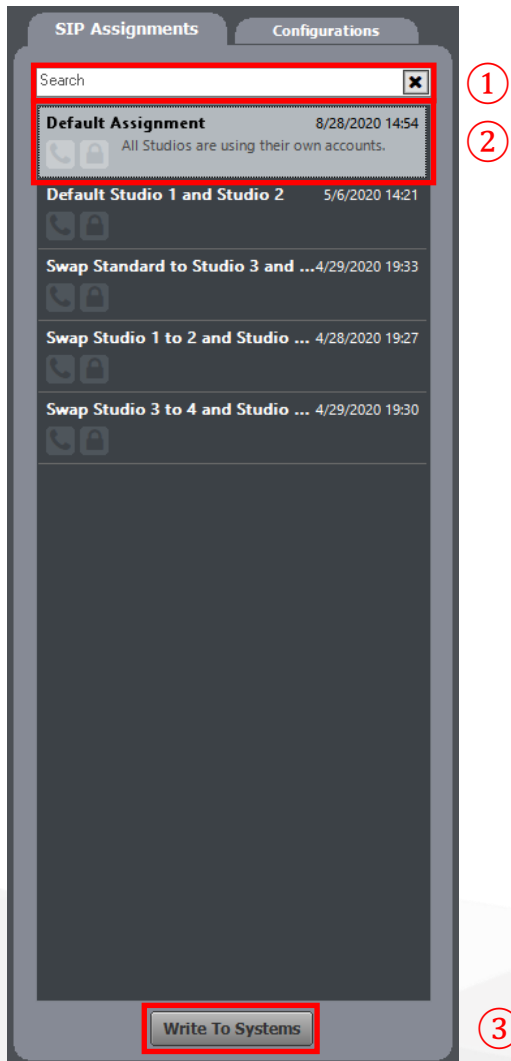


- Most of the context menu items open the windows of the standalone software of the respective devices. For details on these functions, refer to the manuals of the devices. These functions are:

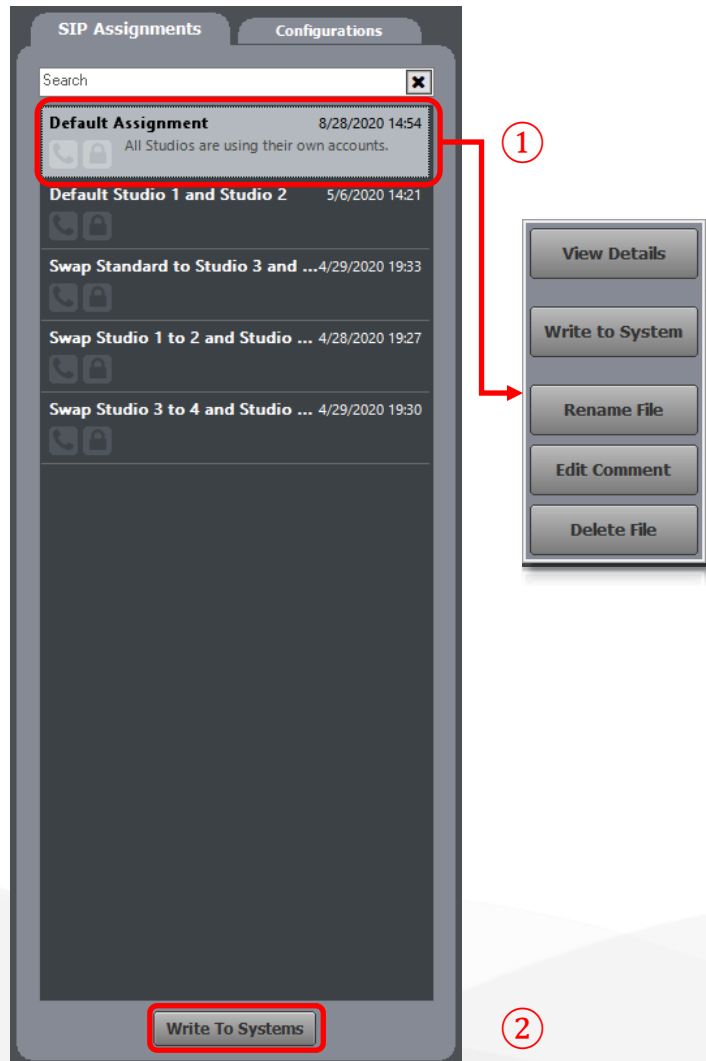
- CONFIGURATION
- MANAGE PRESETS
- SYSTEM MONITOR
- REGISTRATION
- SYSTEM PANEL
- FIRMWARE DOWNLOAD

MAGIC System Manager

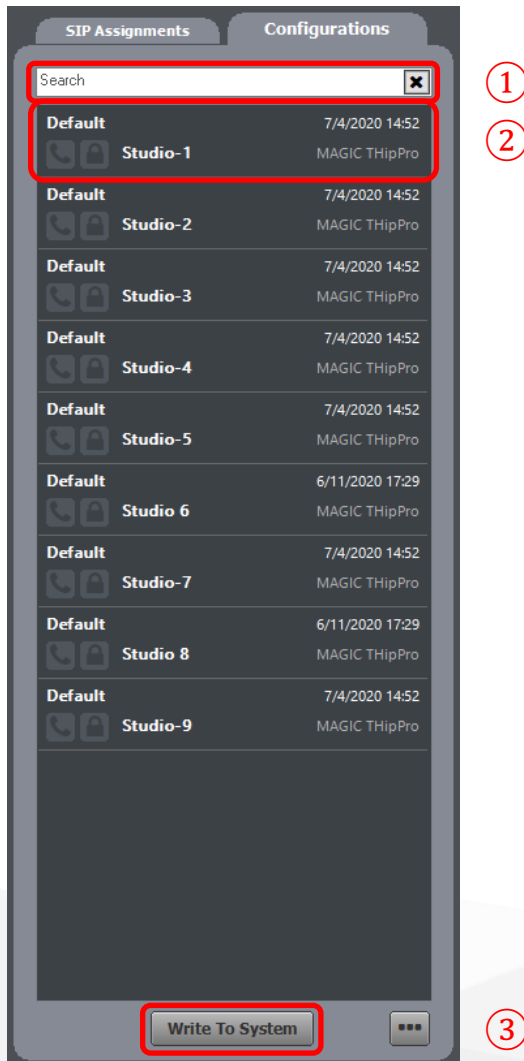
Sidebars



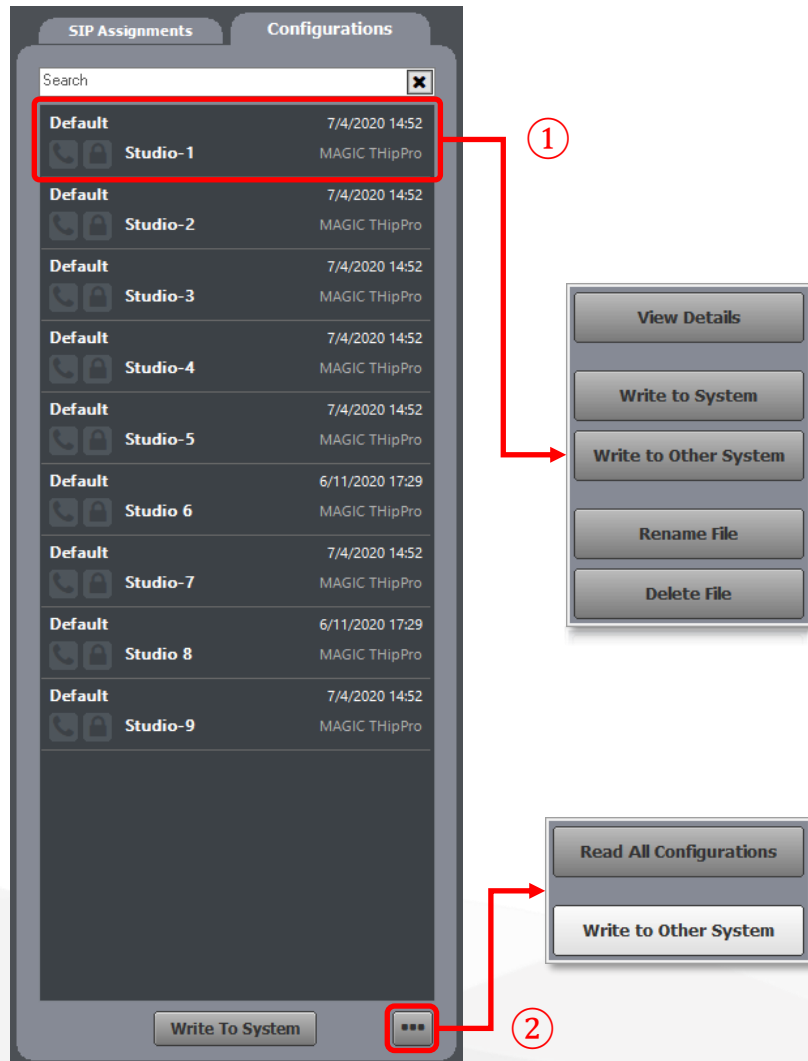
- All SIP assignments stored in the SIP assignments folder specified in the local settings are displayed in the SIP ASSIGNMENTS tab on the main panel.
- The sidebar can be activated in the local settings.
- SEARCH: Use the search field ① to filter the list of available SIP assignments.
- Each SIP Assignment entry ② shows:
 - The file name.
 - Date and time when the file was saved.
 - The comment which was saved with the file.
 - 📞: Shows whether there is a call on a device included in this SIP Assignment.
 - 🔒: Shows whether the configuration window is open on a device included in this SIP Assignment.



- Select a SIP Assignment ① and click the WRITE TO SYSTEMS button ② to update the SIP configuration of the devices included in the SIP assignment.
- Click on a SIP Assignment with the right mouse button to open the context menu:
 - VIEW DETAILS: Displays the list of affected devices.
 - WRITE TO SYSTEM: Update the configuration of the devices included in the SIP Assignment.
 - RENAME FILE: Change the name of the SIP Assignment.
 - EDIT COMMENT: Change the comment.
 - DELETE FILE: Delete the file.



- All configurations stored in the SYSTEMS CONFIGURATION folder specified in the local settings are displayed in the CONFIGURATIONS tab on the main panel.
- The sidebar can be activated in the local settings.
- Each Configuration entry ② shows:
 - The file name.
 - Date and time when the file was saved.
 - The comment which was saved with the file.
 - ☎: Shows whether there is a call on the device from which the configuration was taken.
 - 🔒: Shows whether the configuration window is open on the device from which the configuration was taken.
- SEARCH: Use the search field ① to filter the list of available configurations.
- Select a configuration and click the WRITE TO SYSTEM button ③ to update the configuration of the device from which the configuration was taken.



- Click on a configuration ① with the right mouse button to open the context menu:
 - VIEW DETAILS:** Displays if there are calls active on the device and if the configuration dialog is opened.
 - WRITE TO SYSTEM:** Update the configuration of the device from which the configuration was obtained.
 - WRITE TO OTHER SYSTEM:** Update the configuration of a different device. The System Manager shows a list with all compatible devices.
 - RENAME FILE:** Change the name of the configuration.
 - DELETE FILE:** Delete the file.
- Click on the three-dot-menu for more options:
 - READ ALL CONFIGURATIONS:** Export the configurations of all devices to the configurations folder which is specified in the local settings.
 - WRITE TO OTHER SYSTEM:** Update the configuration of a different device. The System Manager shows a list with all compatible devices.

MAGIC System Manager

Local Settings

Local Settings

Application Parameters Local Login Settings Folder

Page labels

Page 1: Bahrain TV Page 6:

Page 2: Page 7:

Page 3: Page 8:

Page 4: Page 9:

Page 5: Page 10:

GUI options

Displayed System Name: System Name, if available, otherwise Ctrl. Interface Alias

☒ Add Quick Activation SideBar for SIP Account Assignments and Configurations to Main Window

Application Folders

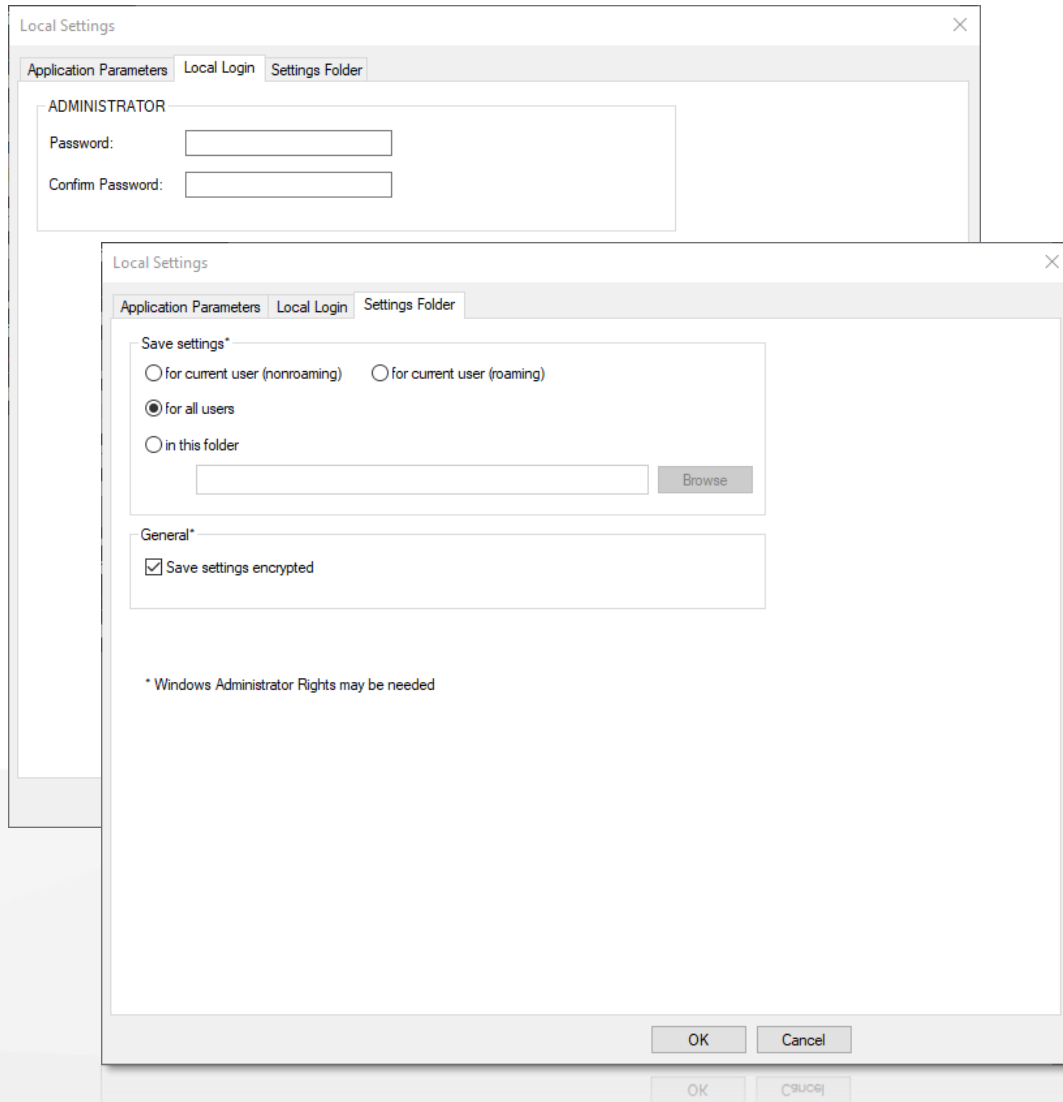
SIP Account Database: C:\Users\MIARADIO\AppData\Local\AVT\MAGIC System Manager\ Browse

SIP Account Assignments: C:\Users\MIARADIO\Documents\AVT\MAGIC System Manager\SipAccountAssignments Browse

Systems Configurations: C:\Users\MIARADIO\Documents\AVT\MAGIC System Manager\SystemConfigurations Browse

OK Cancel

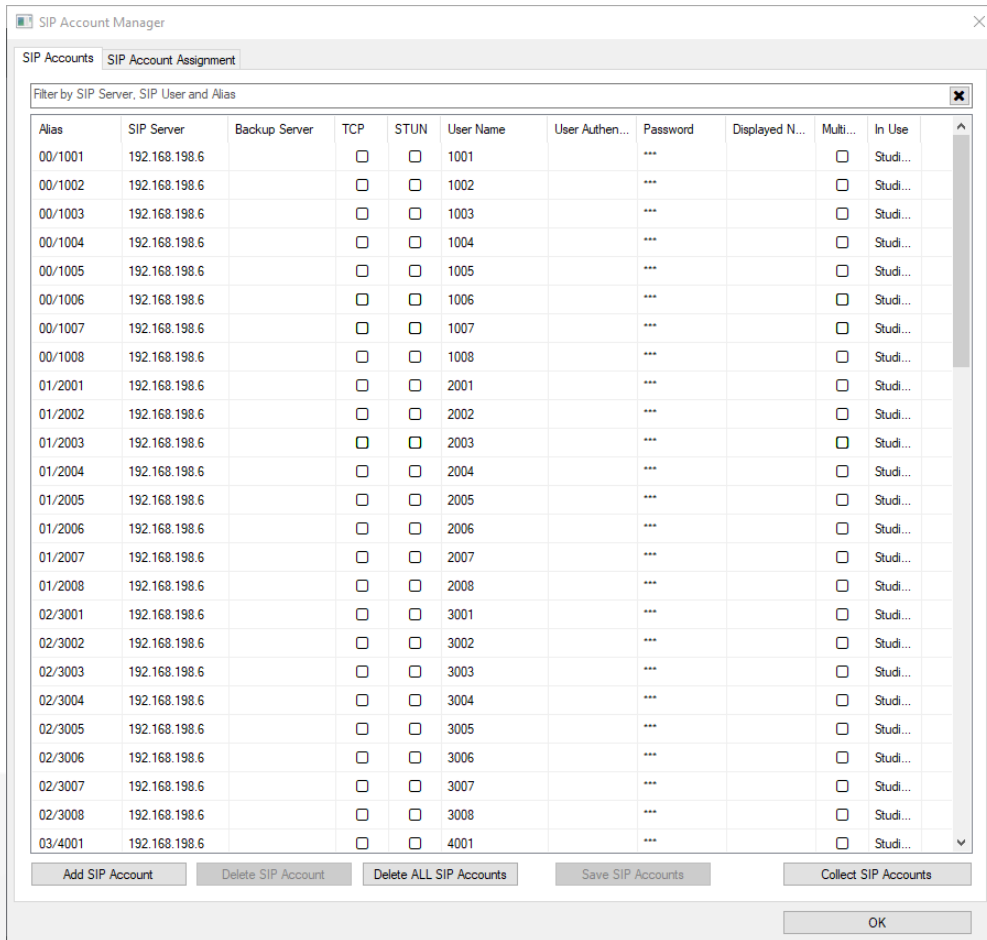
- Navigate to MENU – LOCAL SETTINGS to configure the System Manager.
- APPLICATION PARAMETERS:
 - PAGE LABELS: Enter a name for each group in use.
 - GUI OPTIONS:
 - DISPLAYED SYSTEM NAME: Select if the Alias defined under CONTROL INTERFACE or the System Name defined on the device should be displayed in the main panel.
 - ADD QUICK ACTIVATION SIDEBAR FOR SIP ACCOUNT ASSIGNMENTS AND CONFIGURATIONS TO MAIN WINDOW:
 - APPLICATION FOLDERS:
 - SIP ACCOUNT DATABASE: Specify the folder where the available SIP accounts should be stored.
 - SIP ACCOUNT ASSIGNMENTS: Specify the folder where the SIP assignment files should be stored.
 - SYSTEMS CONFIGURATIONS: Specify the folder where the configuration of the devices should be stored.



- **LOCAL LOGIN:**
 - Specify a **PASSWORD** to restrict access to the configurations of the devices as well as the SIP Account Manager.
- **SETTINGS FOLDER:**
 - **SAVE SETTINGS:** Specify the location where the local settings should be stored.
 - **FOR CURRENT USER (NONROAMING):** There are individual local settings for each user who is logged in to the PC. Each user can only access its own settings.
 - **FOR CURRENT USER (ROAMING):** There are individual local settings for each user who is logged in to the PC. Each user can only access its own settings. The domain controller provides the settings on every PC if necessary.
 - **FOR ALL USERS (default):** Only administrators can change the settings which apply to all users of the PC.
 - **IN THIS FOLDER:** Specify a folder where the local settings should be stored.
 - **GENERAL:**
 - **SAVE SETTINGS ENCRYPTED:** Enable to encrypt the settings files.

MAGIC System Manager

SIP Account Manager



- Navigate to MENU – SIP ACCOUNT MANAGER to open the SIP Account Manager window.
- Find the available SIP accounts on the SIP ACCOUNTS tab.
- FILTER: Search for accounts by server, user and alias.
- The SIP accounts are listed in a table:
 - ALIAS: Define a name for the account
 - SIP SERVER: Enter the SIP server.
 - BACKUP SERVER: Enter a backup SIP server. Only THipPro devices make use of the backup SIP server. The backup SIP server is used when the primary SIP server is not available.
 - TCP: Select to use TCP for SIP. Otherwise UDP is used.

SIP Account Manager

SIP Accounts SIP Account Assignment

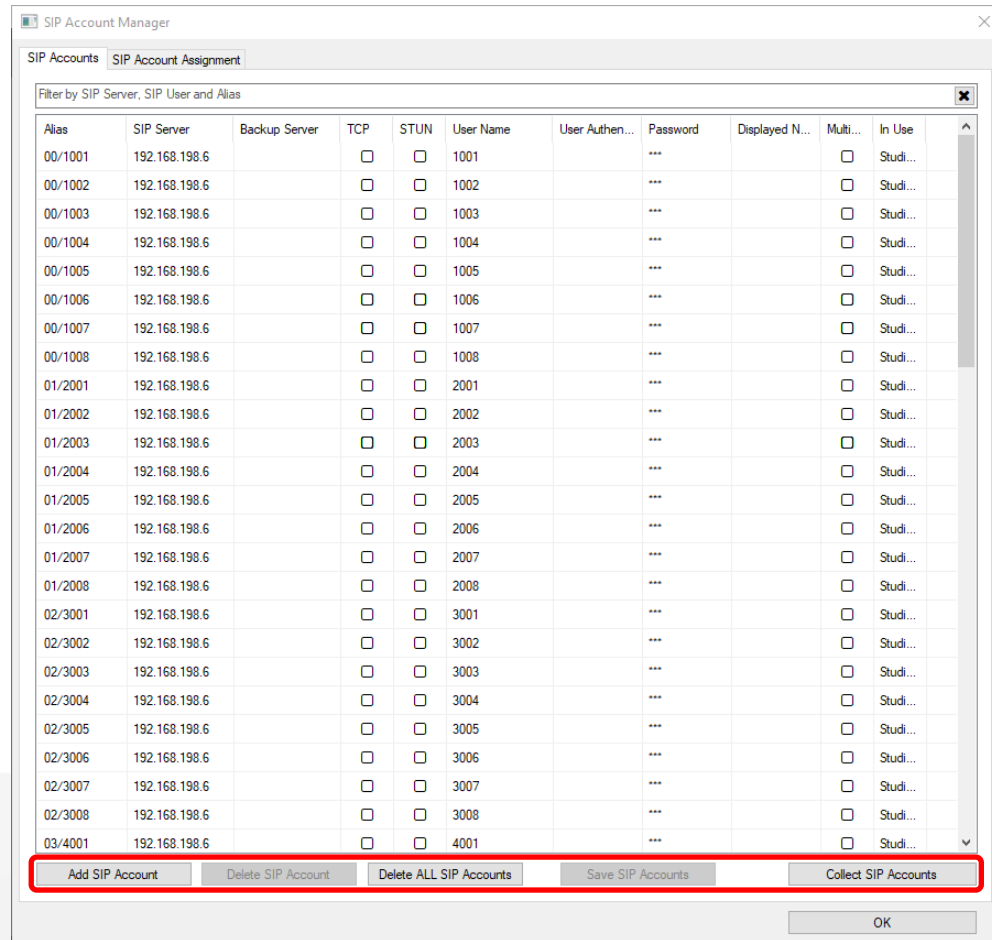
Filter by SIP Server, SIP User and Alias

Alias	SIP Server	Backup Server	TCP	STUN	User Name	User Authen...	Password	Displayed N...	Multi...	In Use
00/1001	192.168.198.6		<input type="checkbox"/>	<input type="checkbox"/>	1001		***		<input type="checkbox"/>	Studi...
00/1002	192.168.198.6		<input type="checkbox"/>	<input type="checkbox"/>	1002		***		<input type="checkbox"/>	Studi...
00/1003	192.168.198.6		<input type="checkbox"/>	<input type="checkbox"/>	1003		***		<input type="checkbox"/>	Studi...
00/1004	192.168.198.6		<input type="checkbox"/>	<input type="checkbox"/>	1004		***		<input type="checkbox"/>	Studi...
00/1005	192.168.198.6		<input type="checkbox"/>	<input type="checkbox"/>	1005		***		<input type="checkbox"/>	Studi...
00/1006	192.168.198.6		<input type="checkbox"/>	<input type="checkbox"/>	1006		***		<input type="checkbox"/>	Studi...
00/1007	192.168.198.6		<input type="checkbox"/>	<input type="checkbox"/>	1007		***		<input type="checkbox"/>	Studi...
00/1008	192.168.198.6		<input type="checkbox"/>	<input type="checkbox"/>	1008		***		<input type="checkbox"/>	Studi...
01/2001	192.168.198.6		<input type="checkbox"/>	<input type="checkbox"/>	2001		***		<input type="checkbox"/>	Studi...
01/2002	192.168.198.6		<input type="checkbox"/>	<input type="checkbox"/>	2002		***		<input type="checkbox"/>	Studi...
01/2003	192.168.198.6		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2003		***		<input checked="" type="checkbox"/>	Studi...
01/2004	192.168.198.6		<input type="checkbox"/>	<input type="checkbox"/>	2004		***		<input type="checkbox"/>	Studi...
01/2005	192.168.198.6		<input type="checkbox"/>	<input type="checkbox"/>	2005		***		<input type="checkbox"/>	Studi...
01/2006	192.168.198.6		<input type="checkbox"/>	<input type="checkbox"/>	2006		***		<input type="checkbox"/>	Studi...
01/2007	192.168.198.6		<input type="checkbox"/>	<input type="checkbox"/>	2007		***		<input type="checkbox"/>	Studi...
01/2008	192.168.198.6		<input type="checkbox"/>	<input type="checkbox"/>	2008		***		<input type="checkbox"/>	Studi...
02/3001	192.168.198.6		<input type="checkbox"/>	<input type="checkbox"/>	3001		***		<input type="checkbox"/>	Studi...
02/3002	192.168.198.6		<input type="checkbox"/>	<input type="checkbox"/>	3002		***		<input type="checkbox"/>	Studi...
02/3003	192.168.198.6		<input type="checkbox"/>	<input type="checkbox"/>	3003		***		<input type="checkbox"/>	Studi...
02/3004	192.168.198.6		<input type="checkbox"/>	<input type="checkbox"/>	3004		***		<input type="checkbox"/>	Studi...
02/3005	192.168.198.6		<input type="checkbox"/>	<input type="checkbox"/>	3005		***		<input type="checkbox"/>	Studi...
02/3006	192.168.198.6		<input type="checkbox"/>	<input type="checkbox"/>	3006		***		<input type="checkbox"/>	Studi...
02/3007	192.168.198.6		<input type="checkbox"/>	<input type="checkbox"/>	3007		***		<input type="checkbox"/>	Studi...
02/3008	192.168.198.6		<input type="checkbox"/>	<input type="checkbox"/>	3008		***		<input type="checkbox"/>	Studi...
03/4001	192.168.198.6		<input type="checkbox"/>	<input type="checkbox"/>	4001		***		<input type="checkbox"/>	Studi...

Add SIP Account Delete SIP Account Delete ALL SIP Accounts Save SIP Accounts Collect SIP Accounts

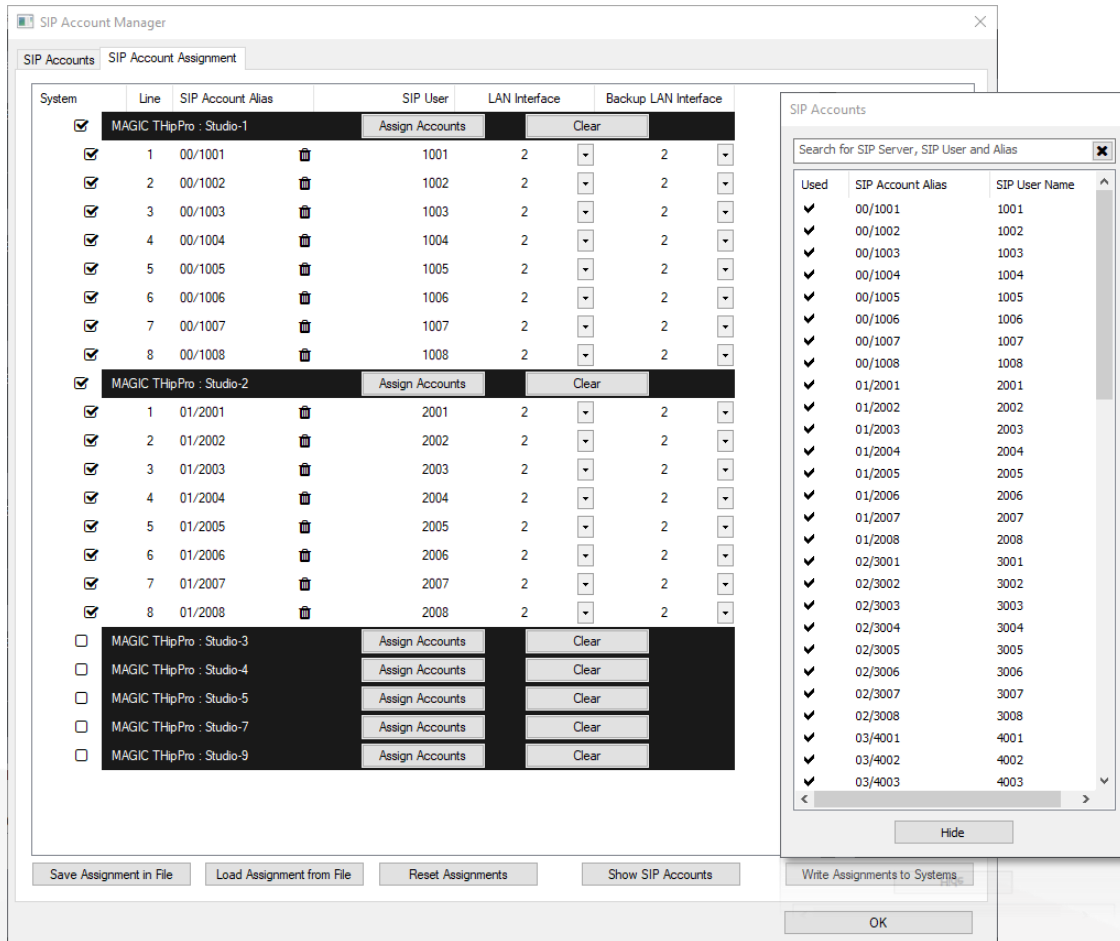
OK


- STUN: Select to enable STUN. Ask your provider if STUN is necessary.
- USER NAME: SIP user name as defined by the provider.
- USER AUTHENTICATION: SIP authentication as defined by the provider.
- PASSWORD: SIP account password.
- DISPLAYED NAME: Enter a text which is displayed on the caller's telephone if not overwritten by the PBX or the provider.
- MULTIPLE ASSIGN: Select if the SIP Account Manager is allowed to assign the account multiple times.
- IN USE: Shows which device uses the SIP account.

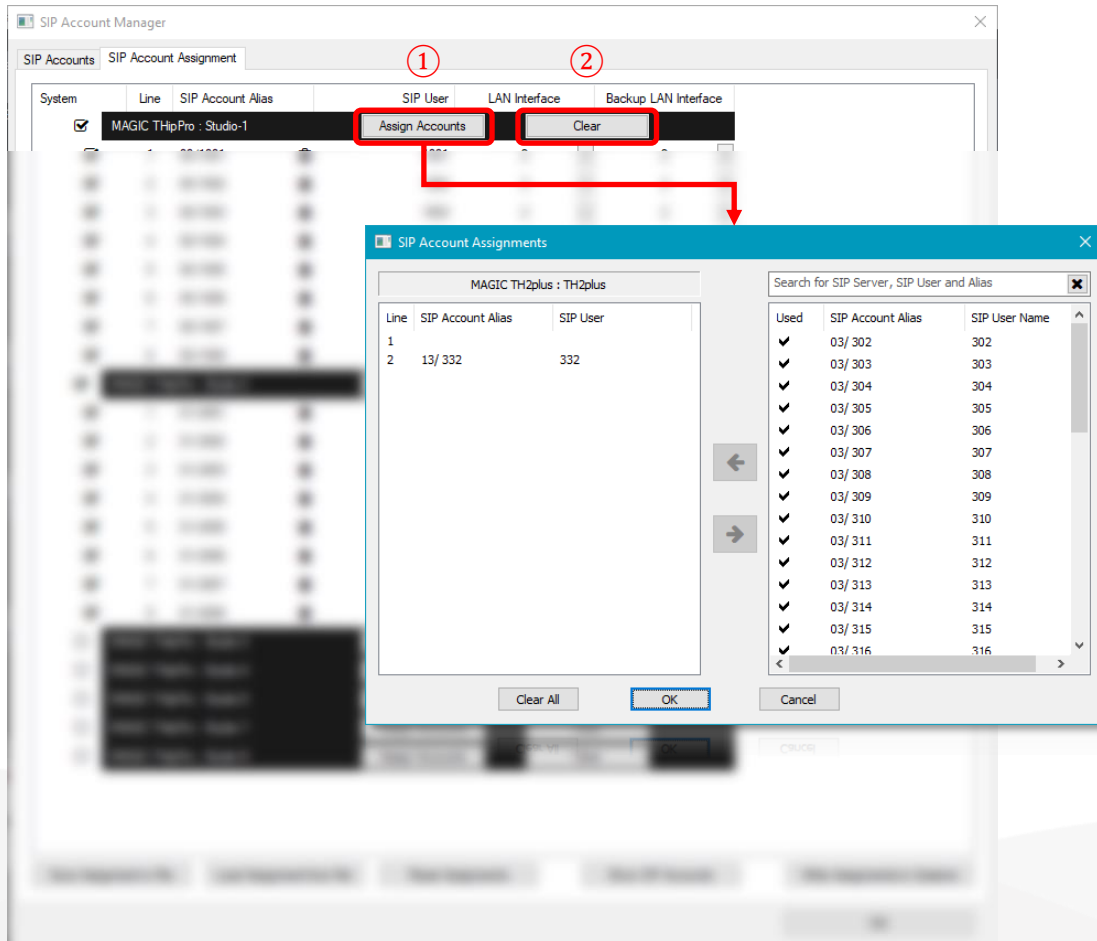


①

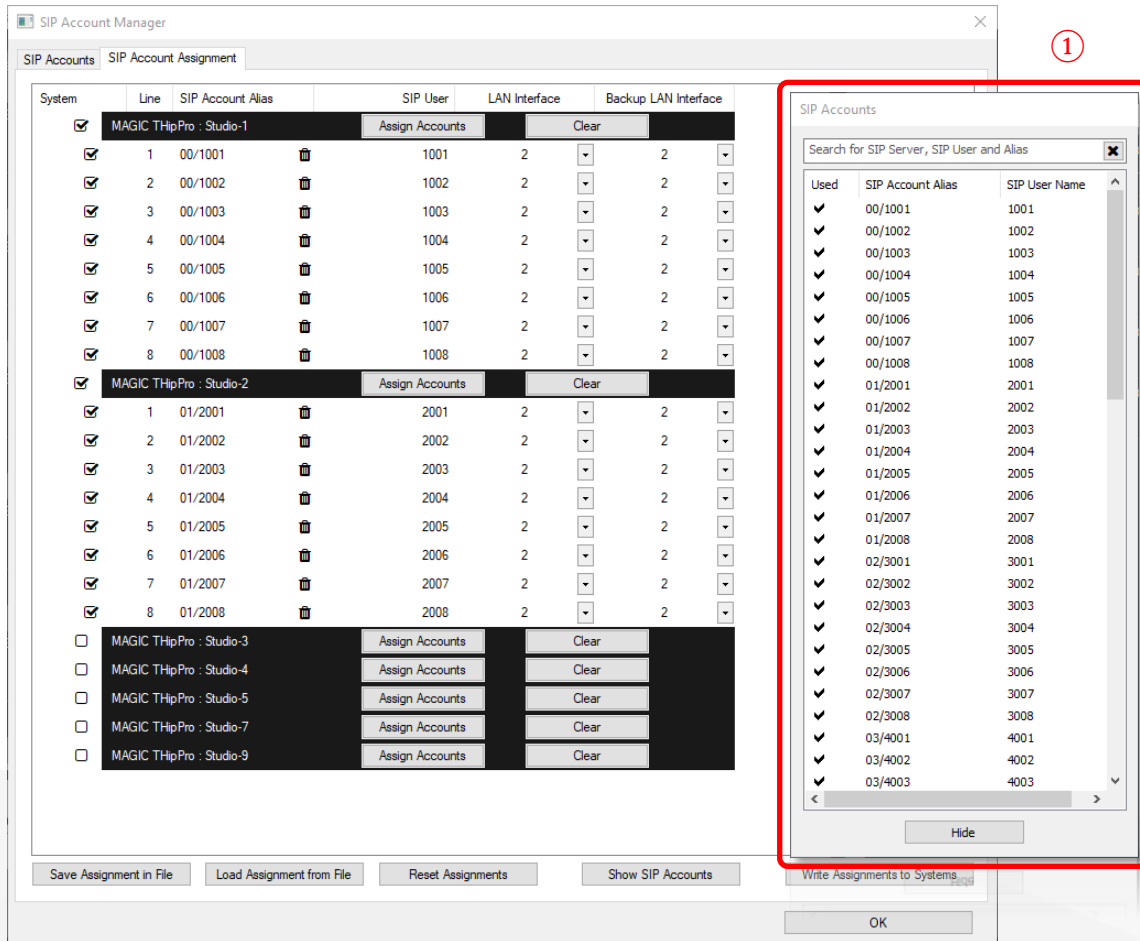
- Manage the SIP accounts with the buttons at the bottom ①:
 - ADD SIP ACCOUNT: Click to add a new line to the table to enter the next SIP account.
 - DELETE SIP ACCOUNT: Click to delete the highlighted SIP account.
 - DELETE ALL SIP ACCOUNTS: Click to empty the list.
 - SAVE SIP ACCOUNTS: Click to save all SIP accounts to the folder specified in the local settings.
 - COLLECT SIP ACCOUNTS: Click to read all SIP accounts from the devices connected to the System Manager and add them to the table.



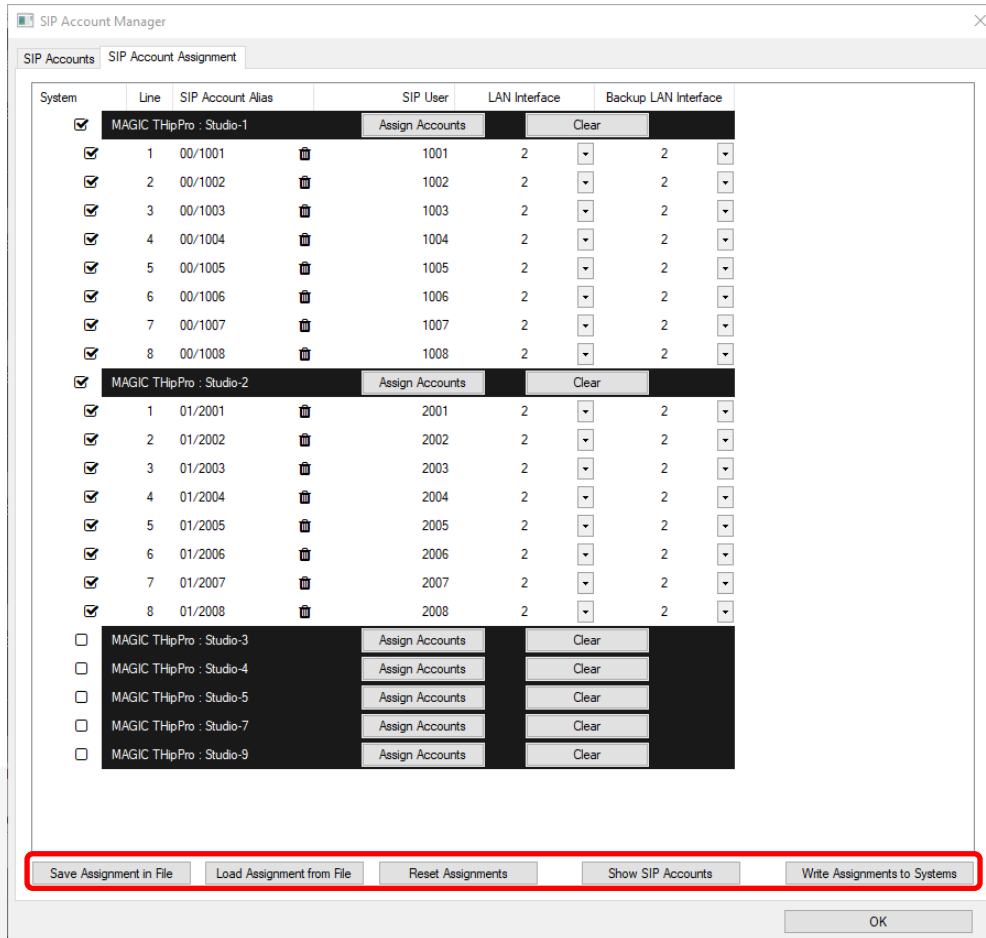
- Assign SIP accounts to connected devices on the SIP ACCOUNT ASSIGNMENT tab.
- Assign SIP accounts to some or all devices.
- Save the configuration to a file to activate the assignment later with one click.
- All devices are listed in the table:
 - **SYSTEM:** Click to add a device to the current SIP assignment configuration. You may add all lines of a device or just individual lines.
 - **LINE:** Shows the available VoIP lines of a device.
 - **SIP ACCOUNT ALIAS:** Shows the alias of the assigned SIP account. Click  to remove the SIP account from the line.
 - **SIP USER:** Shows the SIP user of the assigned account.
 - **LAN INTERFACE:** Select the LAN interface the device uses to connect to the SIP server.
 - **BACKUP LAN INTERFACE:** Select the LAN interface the device uses to connect to the backup SIP server. Only THipPro makes use of the backup LAN interface.



- Assign SIP accounts to a device via the ASSIGN ACCOUNTS button ①.
 - Use the SIP ACCOUNTS ASSIGNMENT windows to create the SIP configuration:
 - →: Remove the highlighted SIP account from the device.
 - ←: Add a SIP account from the list of available SIP accounts to the device. The accounts are added starting from line 1.
 - FILTER: You may filter the list of available SIP accounts by SIP server, user and alias.
 - CLEAR ALL: Remove all SIP accounts from the device.
- Clear all assignments of a device using the CLEAR button ②.



- You may also drag and drop SIP accounts from the SIP Accounts window ① on a device.
- Drag and drop SIP accounts from a device to the SIP Accounts window to remove a SIP account from the device.
- If the SIP assignment of a line is changed, the background of the line is displayed in red.



- Manage the assignments with the buttons at the bottom ①:

- SAVE ASSIGNMENT TO FILE:** Stores the current assignment to a file in the folder specified in the local settings. You need to choose a file name and add a comment.
- LOAD ASSIGNMENT FROM FILE:** Load a already stored assignment to edit it.
- RESET ASSIGNMENTS:** All SIP accounts are cleared from all devices.
- SHOW SIP ACCOUNTS:** Click to display the SIP Accounts window of available SIP accounts.
- WRITE ASSIGNMENTS TO SYSTEMS:** Writes the SIP account configurations to the devices which are enabled in the SYSTEM column of the table.



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Support



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