



ADMIN GUIDE

Sennheiser HeadSetup™ Pro Manager

SENNHEISER



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1. Introduction

1.1 Product overview

Sennheiser HeadSetup™ Pro Manager is a cloud-based multi-tenant server application used for managing and supporting Sennheiser devices in Enterprise environments.

Companies signing up for a tenant (company) account will gain access to an easy to manage system, from where enrolled Sennheiser HeadSetup™ Pro clients (End-users) in the organization can be managed.

A company IT administrator can easily track Sennheiser devices in the environment from any PC, push configurations and quickly deploy software and firmware updates to a vast number of users.

Sennheiser HeadSetup™ Pro Manager:

Administering devices, end-users and associated PC client application.

Sennheiser HeadSetup™ Pro:

End-user PC client, providing local update service for connected devices.

1.2 Attributes of Sennheiser HeadSetup™ Pro Manager

Sennheiser HeadSetup™ Pro Manager enables a tenant administrator in an organization to:

- Manage assets by providing full status overview
- Locate devices and fetch device details from anywhere.
- Identify devices in the organization having an outdated version of firmware
- Accomplish uniform attributes throughout the environment by deploying firmware/software updates
- Read and set settings on Sennheiser devices from anywhere.
- Identify underutilized devices to fully use the inventory, hence optimizing the benefit of the device investment.

1.3 Scope of the document

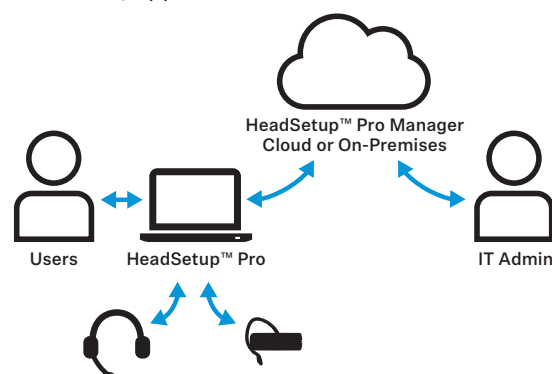
This document contains an overview of Sennheiser HeadSetup™ Pro Manager features and how to perform tenant administrative tasks using the Sennheiser HeadSetup™ Pro Manager.

1.4 Intended audience of this document

This document is intended for the selected Tenant Administrator. The tenant administrator will be able to manage deployed devices from Sennheiser.

1.5 Sennheiser HeadSetup™ Pro Manager Workflow

The following diagram shows the basic workflow of the Sennheiser HeadSetup™ Pro Manager (used by Tenant Administrator) and Sennheiser HeadSetup™ Pro (used by end-users) applications.



2. Getting started

2.1 Registration

If you have not yet applied for access to the Sennheiser HeadSetup™ Pro Manager tool, this is done using the form available on the Sennheiser webpage.

<http://sennheiser.com/headsetup-pro-manager>

Fill in the form and submit it. The submission will be sent to the Sennheiser sales office in your country.

Please expect a response within a couple of business days. A member of our support team will reach out to you to ensure a smooth start up with Sennheiser HeadSetup™ Pro Manager

2.1.1 Signing up

To sign up, following company information is required:

- Company name
- Tenant name
- Admin first name
- Admin surname
- Admin contact number
- Admin email address
- Number of users
- Country
- Message

Please read the license terms and conditions carefully. Select the “I agree” option next to the terms and conditions to be able to sign up.

After submission, an email will be sent on behalf of Sennheiser to the Admin email address, stating that the signing request is awaiting approval.

Once Sennheiser has approved the tenant request, a confirmation email will be sent to the applicant with a password reset URL, website URL.

The demo license will be valid for 90 days. Contact your Sennheiser representative or Sennheiser Support to obtain a license suiting your requirements.

2.1.2 Logging in

Post registration, you can log in by using your email address as the username and the desired password. For connecting to Sennheiser HeadSetup™ Pro Manager, following browsers are recommended:

- Google Chrome
- Internet Explorer (IE) 10
- Internet Explorer (IE) 11
- Mozilla Firefox.

For connecting to Sennheiser HeadSetup™ Pro Manager from a Mac OS, Safari browser is recommended.

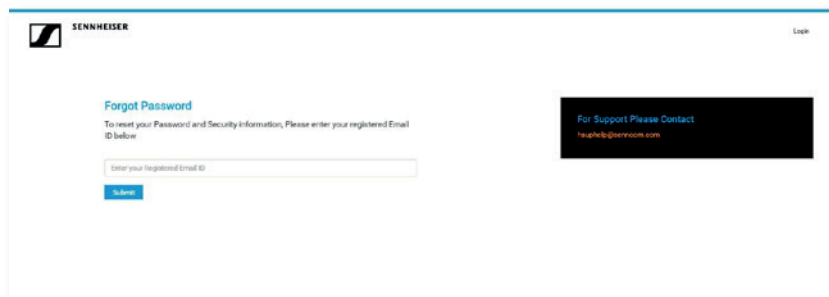
Log into Sennheiser HeadSetup™ Pro Manager at:

<https://enterprise.sennheiser.com>



2.1.3 Forgot password

In case the login password has been forgotten, click “Forgot Password?” Type in the registered email address and select Submit. A response email with a URL link will be sent to the registered email address. You can reset the password by following the URL provided in the response email sent.



2.2 Deployment of the Sennheiser HeadSetup™ Pro

The end-user application “Sennheiser HeadSetup™ Pro” must be installed on end-user PCs required to be managed via the Sennheiser HeadSetup™ Pro Manager.

A suitable system management software like (SCCM) is recommended for deploying the PC client software.

Files that need to be deployed to end-user PCs are:


- Sennheiser HeadSetup™ Pro installer
(Available from the menu “Manage Updates”)
- TenantConfiguration.dat file
- (This file is automatically downloaded as part of zip file but is manually available from the tenant admin menu\Client Config)

2.2.1 Retrieving client files for the first time.

Once downloaded, please create a folder where you unpack the downloaded file. After unpacking the file, folder should now contain the following files: (version number can vary).

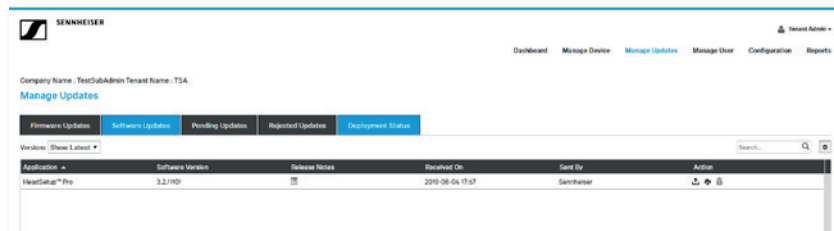
Name	Date modified	Type
HeadSetupPro_1.2.3814.exe	24-09-2016 16:04	Application
product details.txt	24-09-2016 12:35	Text Document
TenantConfiguration.dat	25-10-2016 15:27	DAT File
WebToolAgent.xml	24-09-2016 16:05	XML Document
WebToolAgentReleaseNote.txt	26-09-2016 11:20	Text Document


The list presented contains all the latest firmware and software released from Sennheiser. Look for Sennheiser HeadSetup™ Pro. If you cannot see it in the list, use the Search option by typing HeadSetup.

Click  to approve receiving this software.

The line will then disappear and reappear under the section called Software Updates. This and the Firmware Updates section will be your working areas going forward.

Click the Software Updates TAB.



In this view, you have the possibility of downloading the latest Sennheiser HeadSetup™ Pro client to your local machine by clicking the middle  icon.


Once clicked, the download starts automatically or prompts you for options (depending on your browser settings). (Often to the Download folder)

Once downloaded, please create a folder where you unpack the downloaded file.

2.2.2 Installing the client manually for the first time

From the installation folder where you placed the installation files and the TenantConfiguration.dat file, run the exe file. (Administration rights to the PC are required.)

Follow the guide and complete installation.

Start the application by clicking the HeadSetup Pro shortcut  on the desktop – or find it by typing HeadSetup in the search program under the Windows menu.

Please leave time for the product to initialize and negotiate with the cloud service. Usually it takes a few minutes, but in a few cases it can take up to 5 minutes.

Log in to your web portal and click on the Manage User menu item. Your user automatically gets added to the system after the negotiation has taken place.

Updating already installed clients:

When an update to Sennheiser HeadSetup™ Pro is released from Sennheiser, the application will be available in “Pending Updates.” (In tab: “Manage Update” menu in Sennheiser HeadSetup™ Pro Manager)

After accepting the update, you can deploy the update from “Software Update” under the “Manage Update” menu. Deploying an update of the Sennheiser HeadSetup™ Pro PC client:

When deploying an update to end-users via Sennheiser HeadSetup™ Pro Manager, the end-users must have administrator rights for being able to update their installation. If end-users do not have administrator rights on their PC, the Sennheiser HeadSetup™ Pro application must be deployed to end-users using a suitable system management deployment tool.

Mass Deployment

The ability to distribute software to a number of users or computers from a centralized location has become a requirement for many administrators.

The software is installed without the administrator physically visiting each machine. An administrator can use system management software to control a user’s environment.

HeadSetup Pro installation support silent installation and uninstall.

The command line arguments used for the silent installation of the Sennheiser HeadSetup™ Pro Application is: HeadSetupPro.exe /S /v/qn For silent uninstalling Sennheiser HeadSetup™ Pro Application, the command line arguments are: HeadSetupPro.exe/X/S /v/qn

Note: The silent installation does not trigger the application to start, so a restart of the PC is required to start up application. If an administrator wishes to start the application after silent installation he should launch the below exe after installation.

32 bit OS: C:\Program Files\Sennheiser\HeadSetup Pro\HSPLaunch.exe

64 bit OS: C:\Program Files (x86)\Sennheiser\HeadSetup Pro\HSPLaunch.exe

Product Code

The Product details.txt files contain the Product Code. This is used for detection validation.

2.2.3 Firewall Setup

Open firewall port 443 over tcp outbound for the below endpoints:

For accessing application URL's:

<https://enterprise.sennheiser.com>

<https://enterpriseapi.sennheiser.com>

For accessing static content

(device image, description, software and firmware):

<https://webapptoolstoreprod.blob.core.windows.net/>

For Logging:

<https://webtoolagentlog.table.core.windows.net/>

2.3 Sennheiser HeadSetup™ Pro Manager Layout

The layout of Sennheiser HeadSetup™ Pro Manager is divided into sections as shown in the below screenshot.

Note: The references to the following topics are shown in the diagram:

A - 2.2.1 Login Information

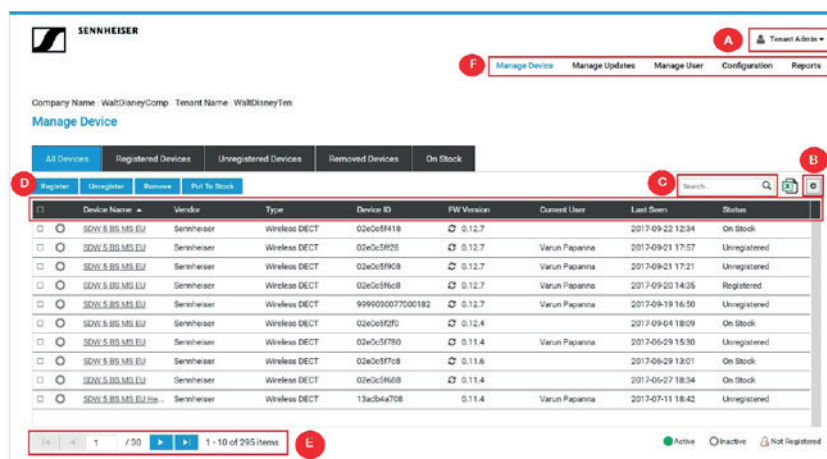
B - 2.2.3 Grid Settings

C - 2.2.4 Search

D - 2.2.5 Column Header

E - 2.2.6 Page Navigation

F - 2.2.7 Application menu



2.3.1 Login information

The login information will give the administrator access to access settings, download the account unique “TenantConfiguration.dat” file, change credentials and terminate the current session.

In the dropdown menu, select the option that corresponds to the required function to be performed.

2.3.1.1 Settings

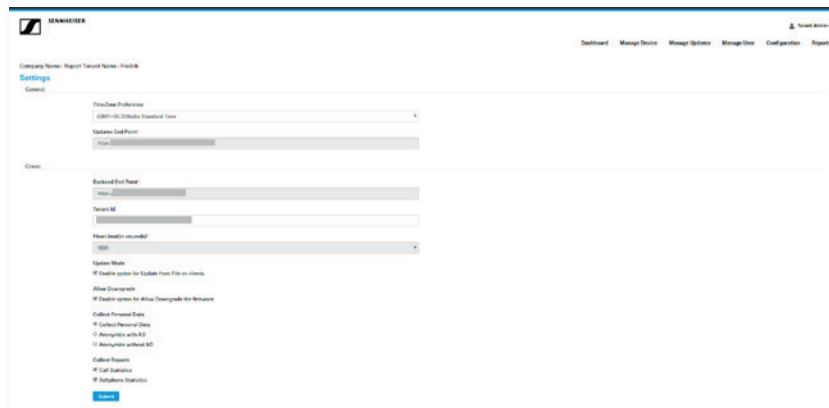
System settings are displayed here.

General settings:

- “Time Zone Preference” – can be set according to relevant location.
- “Updates End Point address” – Server address to updates. Not configurable

Client settings:

- “Back End Point” Server address. Not configurable
- “Tenant ID” Tenant specific system ID. Not configurable
- “Heart Beat” Interval in Sec. for client polling Not configurable
Sennheiser HeadSetup™ Pro Manager for updates
- Update mode Configurable
Enable option for Update from File on clients.
This is by default disabled so end-user will not have the option to select upgrade from file.
- Allow Downgrade Configurable
Enable option for Allow Downgrade of the firmware.
This is by default disabled as Sennheiser always recommend to run on the latest firmware version.



Please note that changes made in settings will be applicable for all users

- Collect Personal Data (Configurable)
Collect Personal Data is selected by default as Sennheiser always recommend to collect user records. Deselecting this option can cause hard delete of all the users related to that tenant.
- Anonymize with AD
If IT admin switches to anonymize with AD then admin can use AD groups to push the update and HSUP will not send the user information to the HSUP Manager.

- Anonymize without AD

If IT admin switches to anonymize without AD then admin cannot able to push the updates to AD group. HSUP should never talk to AD and send the data back to the server. Also, in 'Manage User' section 'AD Group' tab will be hidden.

Collect Reports

- Call Statistics (*Configurable*)

By default call statistics settings is set to collect and agent should consider the setting of call statistics for sending data. If the IT admin unchecks this option, delete all the table data related to the call activity and stop generating the Call Activity Reports for that tenant. Also, 'Call Activity' related data shown in 'Dashboard' section will be displaying lock-icon.

- Softphone Statistics

By default softphone statistics settings is set to collect and agent should send the softphone list to the server after receiving the changes in the heartbeat. If the IT admin unchecks this option, delete all softphone related information from the database and stop generating the Softphone Reports for that tenant. Also, 'Softphone' statistics table will be hidden from 'Dashboard' section.

Note: When user does not have license for reports, then 'Reports' will be hidden from the menu and HSUP Manager will not generate the reports for that tenant. Also, in the Tenant's Settings screen, 'Collect Reports' section will be hidden from Client-Settings.

2.3.1.2 Administration

Sennheiser HeadSetup Pro™ Manager enables the possibility to create more admin users with different roles and privileges to manage this application.

Note: Only the administrator created on signup can create more admin users.

2.3.1.2.1 View Admins

The tab 'View Admins' is in the main view of the 'Manage Admin' layout, showing all the admins information.

The following details can be found in the view:

- Admin Name
- Role
- Email ID
- Contact
- Country
- Region
- Created On
- Created By

You can edit or permanently delete a specific admin from the database using the icon buttons available in the grid 'Action' column.

To create a new admin, click 'Add Admin' button available in the 'Manage Admin' layout and fill in the required information.

2.3.1.2.2 Add/Edit Admin

To create new admin or update admin, following information is required:

- Admin First Name
- Admin Last Name
- Admin Email ID
- Admin Contact Number
- Region
- Country
- Time Zone
- Role

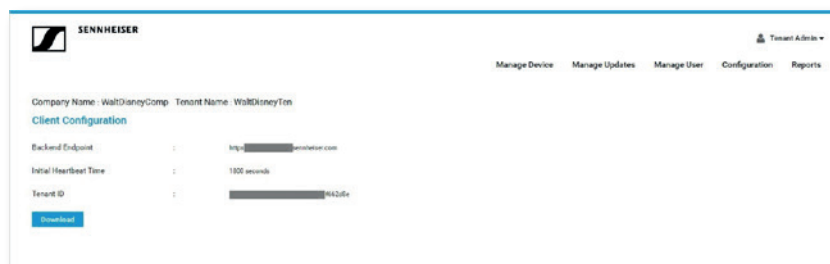
After filling in all the required details, click on 'Add' button to submit the details. Once details submitted successfully, E-mail(s) sent to newly created user to reset password.

Three different roles are supported:

- Power User
(Provides full permissions for all the features except no access to 'Administration' feature)
- Internal User
(Provides read-only permission for all the features except no access to 'Administration' feature)
- Tenant Admin
(Logged-In Tenant details will be displayed in View-Admin grid and Edit/Delete action will be hidden for the same)

2.3.1.2.3 Client config

A Tenant account specific Token (TenantConfiguration.dat) can be downloaded here, for deploying to end-user installations.



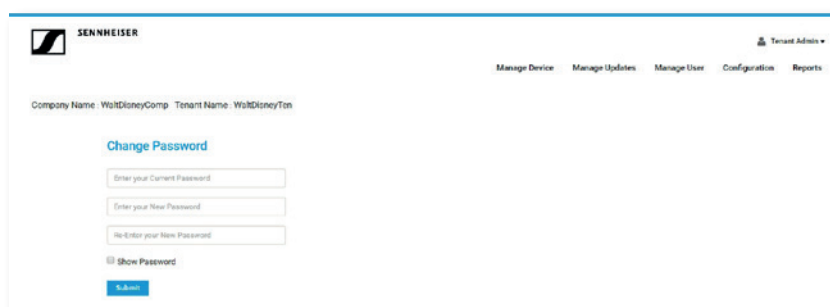
- The token must be deployed to end-user PCs when installing the Sennheiser HeadSetup™ Pro client.
- The token ensures that the clients are allowed to connect the tenant-specific account on the Sennheiser HeadSetup™ Pro Manager system.
- The token is required for clients to be managed and to receive updates from the IT administrator.

The token (TenantConfiguration.dat) contains Tenant account specific information, ensuring a secure connection between the end-user application and the tenant-specific account. Once downloaded, the TenantConfiguration.dat file is encrypted and cannot be read.

- Backend Endpoint (address of the server with which the Sennheiser HeadSetup™ Pro will communicate)
- Initial Heartbeat Time (The value set in “Heart Beat” indicates the duration in seconds for when the Sennheiser HeadSetup™ Pro will contact the server and check for available FW and SW updates).
- Tenant specific ID

2.3.1.3 Change password

The administrator can change the account password at any time. Go to the tenant drop-down menu and select “Change Password”



2.3.1.4 Help

Documentation and user guides for the system can be accessed by selecting “Help.”

2.3.1.5 About

Select “About” to learn about system information and licenses.

The following system info will be shown:

- Version
- Build
- Date of the application.

The following details of the license will be shown:

- License information
- License key
- Company name
- Tenant name
- License activation date
- License expiration date
- Maximum number of devices
- Maximum number of users

- License status (3 different license status shown)
 - Active
 - Near expiration
 - Expired

- License type:
 - Commercial – A license has been purchased

For changing any of these values a new license is required. Please contact Sennheiser support at: hsuphelp@senncom.com

Note: Tenants for which the license have expired, those tenant's records will be automatically deleted after 90 days, if the license is not renewed.

2.3.1.6 Logout

To secure account details and eliminate misuse of the system, select Logout after finishing tasks in the system.

2.3.2 Grid settings

In Grid Settings, the listed column view can be arranged.

A user can customize the field columns by changing the following settings:

- Column properties
- Display selections
- Column display order

The changes made in the grid will be valid only for that specific machine and specific browser until that specific browser's application data is cleared.

Settings

Number of Rows
10 ▾

Select Columns

Available Columns:

- Registered User
- Voice Prompt Version
- First Seen
- Country
- Office
- City

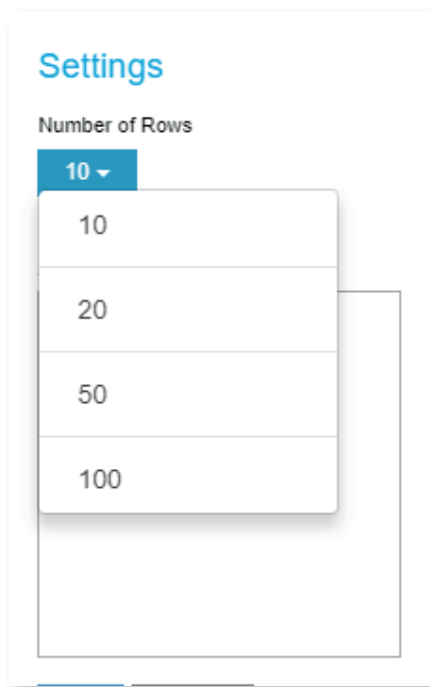
Show these Columns in this order:

- Online Status of Device
- Device Name
- Vendor
- Type
- Device ID
- FW Version
- Current User
- Last Seen
- Status

OK Cancel Restore Default Settings





2.3.2.1 Row count

“Number of rows” per page to be viewed can be set by clicking the drop-down button.





2.3.2.2 Display selections

Including, excluding and order of displayed fields can be set in the grid settings view.

-  Add to the Selected Column from the Available Column.
-  Remove from the Selected Column to the Available Column.
-  Add all fields to the Selected Column from the Available Column.
-  Remove all fields from the Selected Column to the Available Column.

2.3.2.3 Column display order

The column display order in the Selected Columns box determines the display order in the final view. Top to bottom order in the list box makes the change in reference of left to right order in the display. Once the column selection is highlighted in the Selected Columns, the column display order can be changed using the following functions.

-  Moves the selected column up in the list box (left in the final display).
-  Moves the selected column down in the list box (right in the final display).

To get the default settings, click “Restore Default Settings.”

2.3.3 Search

Use the Search bar to quickly search for a specific attribute in the current view.

2.3.4 Information fields

The information field shows the result of the chosen main menu and associated tabs. The listed order can be sorted alphabetically and numerically in ascending or descending order.

To change the order of sorting, click on the field name to change the displayed order.

2.3.5 Page navigation

Navigating multiple pages in Sennheiser HeadSetup™ Pro Manager is easily accessed at the bottom of the displayed view.



2.3.6 Application menu

The main menu contains associated selectable tabs, which will display subject specific information:

- Manage Device
- Manage Updates
- Manage User
- Configuration
- Reports

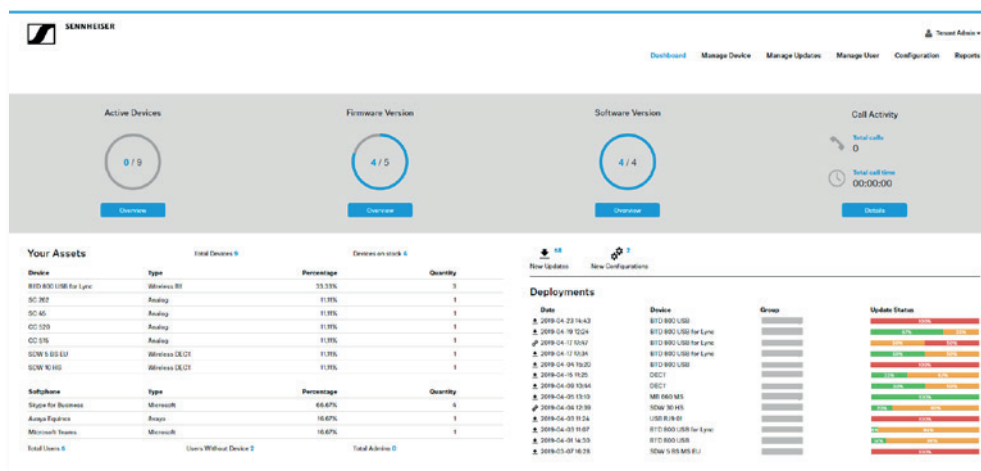
The selected menu will always be highlighted

3. Dashboard

Dashboard gives the overall analysis of active devices, version updates, call Activity, Assets, and Deployments etc.

The dashboard contains the following categories:

- Active Device
- Firmware Version
- Software Version
- Call Activity
- Your Assets
- New Updates and Configuration
- Deployments



3.1 Active Device

This chart gives the information about the total count of active devices to the total number of devices. On click of Overview button, the site will navigate to the 'Device' tab of 'Reports', selecting 'Device Overview' from sub-category.

3.2 Firmware Version

This chart gives the information about the total count of firmware versions up to date to the total number of firmware versions available. On click of Overview button, the site will navigate to the 'Device' tab of 'Reports', selecting 'Update Overview' from sub-category.

3.3 Software Version

This chart gives the information about the total count of software versions up to date to the total number of software versions available. On click of Overview button, the site will navigate to the 'User' tab of 'Reports', selecting 'Client Versions' from sub-category.

3.4 Call Activity

Call Activity gives the total number of calls and Total call time. On click of Details button, the site will navigate to the 'Call Activity' tab of Reports, selecting 'Call Overview' from sub-category.

3.5 Your Assets

Total Devices: This shows the total number of devices. On click of 'Total Devices' count, user is redirected to "All Devices" tab of "Manage Device" section.

Devices on stock: This shows the total number of devices which are on stock. On click of 'Devices on Stock' count, user is redirected to "On Stock" tab of "Manage Device" section.

3.5.1 Devices

This section contains the summary of Devices in a tabular view with the following columns.

- Device
- Type
- Percentage
- Quantity

3.5.2 Softphones

This section contains the summary of Softphones in a tabular view with the following columns.

- Softphone
- Type
- Percentage
- Quantity

The total number of users, Users without devices, Total Admins count is shown at the bottom of the table. On Click of 'Total Users' count and 'Users without Device', user is redirected to "Users" tab of "Manage User". And on click of 'Total Admins', user is redirected to 'View Admins' tab of 'Manage Admin'.

3.6 New Updates and New Configuration

This section gives the count of New Updates and New Configurations where on click of the icons will redirect to Pending Updates tab of Manage Updates section and Pending configurations tab of Configurations section respectively

3.7 Deployments

This section gives the deployment status of the updates and configurations. The following details are present in tabular view.

- Type: Download icon indicates update and settings icon indicates configuration
- Date
- Device
- Group
- Update Status

4. Manage user

Manage user menu is for managing users having the client application Sennheiser HeadSetup™ Pro installed on their local PC.

The user are automatically created in the system the first time the Sennheiser HeadSetup™ Pro is started on the end-user PC.

4.1 Users

For the user to be created in the system the information FirstName, LastName and Email address needs to be available. This will happen automatically by the client querying the AD. If these information are not available or empty the user will not be created and the client will not be connected.

Information such as Office, Country and City will also be queried. If no information is available the user information will stay blank.

The Administrator can manually add this information on the user if desired by clicking the edit icon on every user.

User	E-mail	Client Version	No of Devices	Last Seen	Action
		2.8.9500	1	2018-05-16 11:41	✎ 🗑
		3.1.10704	204	2019-04-16 14:25	✎ 🗑
		2.8.9500	0	2018-06-18 10:48	✎ 🗑

User have an option to export the data by clicking on the excel icon on the top right corner

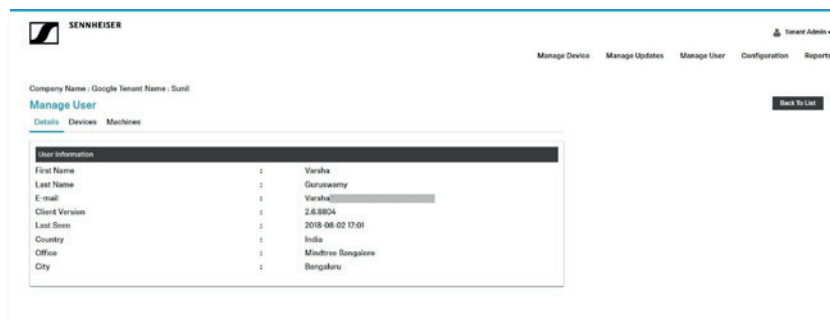
The users screen view will have the following details

- User
(User information is the combination of First Name and Last Name)
- E-mail
- Client Version
- No of Device(s)
(Will have the number of devices associated with the user)
- Last seen
- Action
(Have options to edit or delete the user)

For much more information, Tenant or IT Admin can click on user name link to view Detail(s), Device(s) & Machine(s).

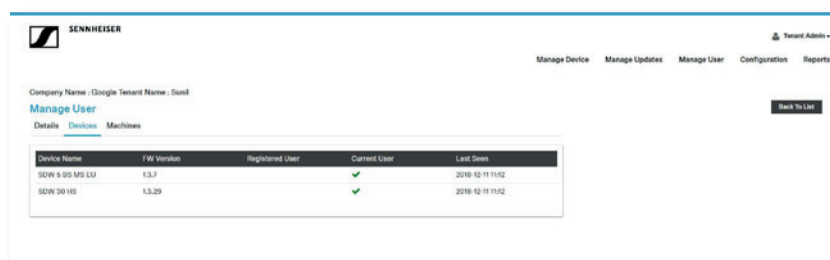
The Details tab view contains the following details

- First Name
- Last Name
- E-mail
- Client Version
- Last seen
- Country
- Office
- City



The Devices tab view contains the following details

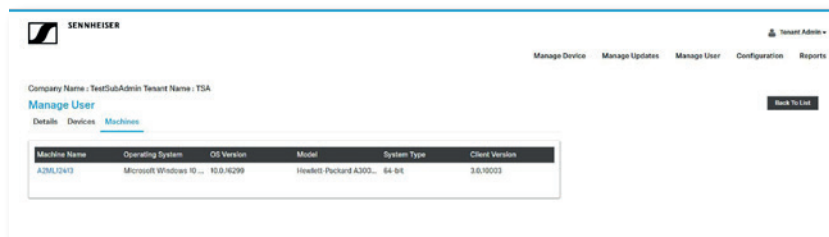
- Device Name
- FW Version
- Registered User
- Current User
(Gives info if the current user using that device)
- Last Seen



The Machines tab view contains the following details

- Machine Name
- Operating System
- OS Version
- Model
- System Type
- Client Version

On expanding the 'Machine Name', details of the softphone installed in that machine will be displayed.



4.2 Manual group

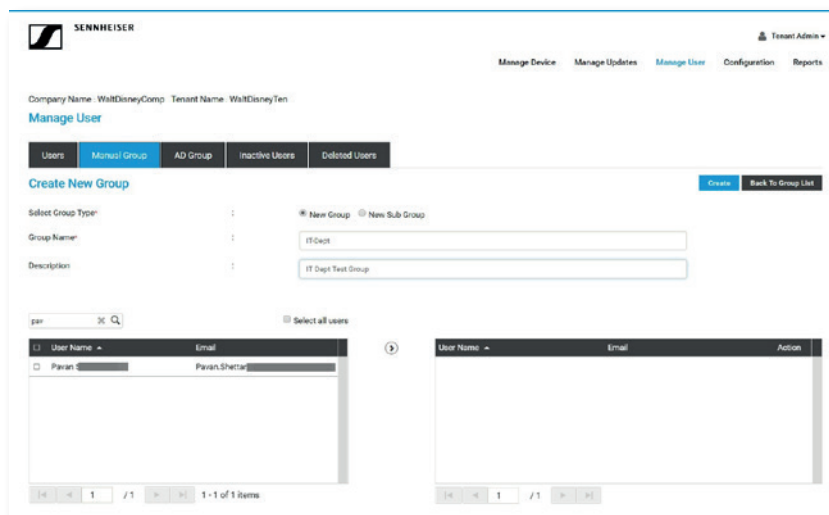
When deploying a FW or SW update, this must be done to a group.

(In case just one user is to receive an update, add the user to an empty group)

The Manual Group tab allows the tenant administrator to organize users into groups. In case a more detailed grouping of users is desired based on member criteria, sub-groups to an existing group can be created.

Example: A tenant administrator can choose to create groups for indicating departments, locations, floors, etc. having attached sub-groups containing members based on user/device profile.

For creating a new group or sub-group, click “Create New Group.”



Select New Group from group type and fill in the group name and group description fields.

For a sub-group, select new sub-group from group type and fill in the following details:

- Parent group
- Sub-group name
- Description

Add relevant users to a group by selecting users enrolled into the system and transfer to the group member list.

To quickly identify a specific user in the system, use the search bar located above the users list to search for the user to be added to the group. To remove user(s) from a group, click the “x” icon in the action column inside the group member list. Once group information and users have been added, click “Save” to save the created group.

Select all users checkbox can be used if you want all users registered in the system to receive the updates, also users added in the future. Enabling this checkbox will overrule any other selecting you might have made and will disable the grids for manual selection.

In the manual group list, a “+” sign next to a group name indicates that the group contains sub-groups. Click the “+” sign to expand the structure to view the sub-groups connected. Clicking “-” next to an expanded group structure will collapse the group view.

You can edit or permanently delete a specific group. To edit the parameters for a group or sub-group, click the edit icon.



When a change to folder parameters has been performed, click “Save” to apply changes.

4.3 Inactive Users

It helps to manage the inactive users in the system for a certain span of time period and option provided to filter inactive users based on different time period.

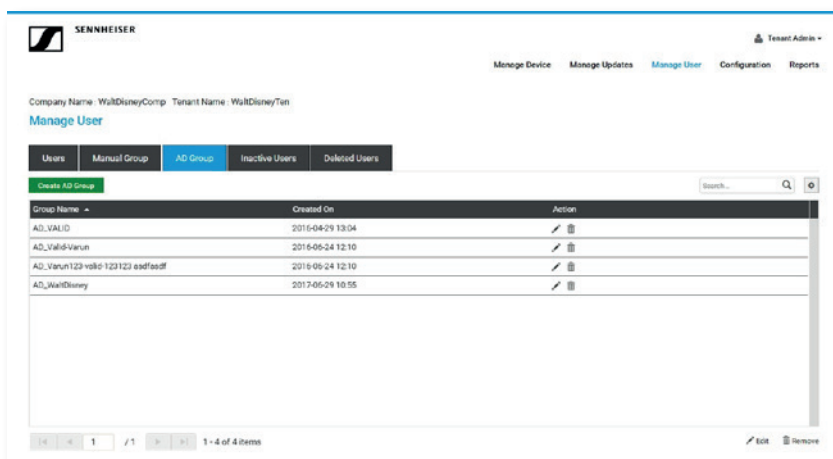
Following are the different time periods:

- 1 Month
- 3 Months (Default)
- 6 Months
- 1 Year

Delete option is provided in the layout to delete the users.

4.3.1 AD group

Adding users to Sennheiser HeadSetup™ Pro Manager AD Group Active Directory (AD) provides options to create groups and is used by Sennheiser HeadSetup™ Pro to determine if the end-user belongs to the group or not and also to handle large number of users. The data in the Active Directory is stored in a hierarchical and extensible form. The AD group tab enables the tenant to create, view and edit an AD group.



The following details can be viewed:

- AD group name
- Creator
- Date and time

You can edit or permanently delete a specific AD group from the database.



To create a new AD group, select the Create AD Group button. Fill in the AD group name (according to the syntax AD_*) and AD search string. Click Add to create the new AD group.

Create AD Group [X]

AD Group Name* :

AD Search String* :

Add **Cancel**

Note: As an example, the below stated information is required to be filled in the “Create AD Group” window to create an AD Group under the name GroupIdentifier.

AD Group name: AD_GroupIdentifier

AD search string: LDAP://LocalDomain/CN=GroupIdentifier,OU=Group,OU=Department,OU=Organization,OU=Operating region,DC=Root domain,DC=com

Where

CN = Common name

OU = Organizational unit Name

DC = Domain component.

To edit an AD Group, click the button and make the desired changes for the AD Group name and AD search string.

Click “Save” to apply the changes.

Edit AD Group [X]

AD Group Name* :

AD Search String* :

Save **Cancel**

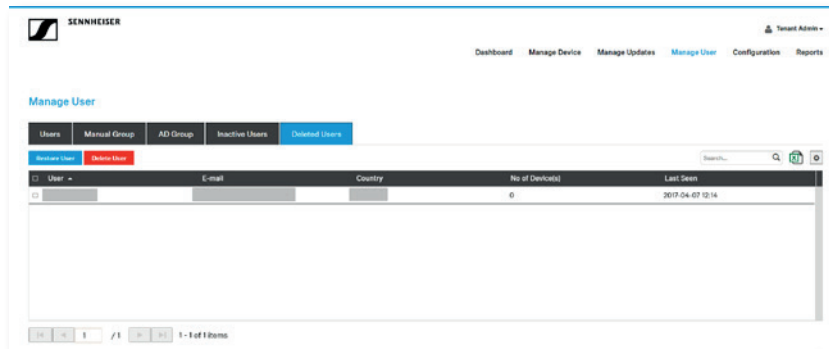
Note: It is not possible to edit an AD Group if there are active deployments using the group. It is required to stop deployments, edit and then resend the deployment.

4.4 Deleted users

Users deleted from the “Manage User” list will be placed under the “Deleted User” tab. A tenant administrator can choose to either permanently delete a user from the system, or to restore the user.

If a user resides in the “Deleted users” list, the Sennheiser HeadSetup™ Pro client belonging to the user will no longer be able to receive updates.

If a user is permanently removed from the “Deleted Users” tab, all user specific information and historical data about usage is deleted.



User have an option to export the data by clicking on the excel icon on the top right corner

Restore User

Select the “Restore User” button to move the user from the deleted users tab list to the Users tab list and the user will be able to receive updates again.





Delete User

Select the “Delete User” button to permanently delete the user from the system.

For the deleted user to be re-enabled into the system, it is required that the Sennheiser HeadSetup™ Pro is removed and reinstalled on the user PC.

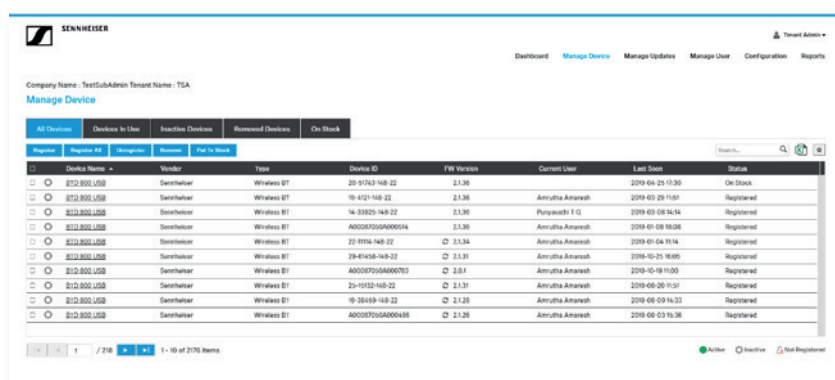
5. Manage Device

The Manage Device menu is for managing the assets deployed in the organization. The devices can be registered manually. You can view the details such as firmware version and configuration settings by selecting an asset.

-  The symbol shows that the device is Active (Connected)
-  The symbol shows that the device is Inactive (Not connected or Sennheiser HeadSetup™ is not running)
-  The symbol shows that the device is not registered to a user
-  The symbol shows that the device has a new update available

5.1 All Devices

The tab “All Devices” is the main view, showing all Sennheiser devices, as well as competitor products.



Device Name	Vendor	Type	Device ID	FW Version	Current User	Last Seen	Status
812.800.100	Sennheiser	Wireless BT	20-91943-148-22	2.1.36		2019-06-25 11:30	On Stock
812.800.100	Sennheiser	Wireless BT	10-4121-148-22	2.1.36	Amrutha Anandash	2019-02-28 11:01	Registered
812.800.100	Sennheiser	Wireless BT	14-33925-148-22	2.1.36	Purayawati F G	2019-03-08 14:14	Registered
812.800.100	Sennheiser	Wireless BT	A0000703A000004	2.1.36	Amrutha Anandash	2019-01-08 18:08	Registered
812.800.100	Sennheiser	Wireless BT	22-0104-148-22	2.1.34	Amrutha Anandash	2019-01-04 16:14	Registered
812.800.100	Sennheiser	Wireless BT	28-41458-148-22	2.1.31	Amrutha Anandash	2018-10-21 16:05	Registered
812.800.100	Sennheiser	Wireless BT	A0000703A00000703	2.0.1	Amrutha Anandash	2018-10-19 11:00	Registered
812.800.100	Sennheiser	Wireless BT	23-11532-148-22	2.1.31	Amrutha Anandash	2018-08-20 11:31	Registered
812.800.100	Sennheiser	Wireless BT	18-26439-148-22	2.1.28	Amrutha Anandash	2018-08-09 16:23	Registered
812.800.100	Sennheiser	Wireless BT	A0000703A00000400	2.1.28	Amrutha Anandash	2018-08-03 16:36	Registered

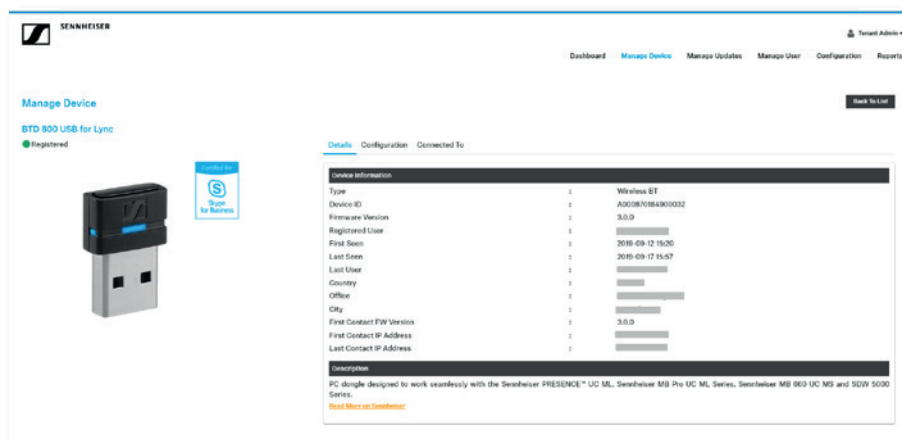
The following details can be found in the view:

- Device name
- Vendor
(competitor devices will be recognized and displayed, but the update/detail info possibility is limited)
- Type of device
- Device ID
- Firmware version installed on the device
(update symbol is shown when a new update is available)
- Current user
- Last seen
- Status
- If a device is registered (no symbol) or not registered (symbol).

For even more detailed information about a device, click on the device name and find the following information about the device.

- Device name
- Status of device
- Registered/Not registered

- Type
- Device ID
- Firmware version installed
- Update available (shown when a new update is available)
- Voice Prompt Version
- Voice Prompt Language
- Registered user
- First seen
- Last used date
- Last user
- Country
- Office
- City
- Description
- First Contact FW Version
- First Contact IP Address
- Last Contact IP Address



The second TAB in the details page shows list of configuration/settings applied to the device.

The third TAB in the details page shows which products are connected to each other with an easy way to navigate between the products by clicking the hyperlink of the product in the “connected to” list.

A device can be registered to a user, or have a registered user removed from device “ownership.”

Report	Report for	Unregistered	Registered	Current User	Last Seen	Status	
Device Name	Vendor	Type	Device ID	FW Version	Current User	Last Seen	Status
<input type="radio"/> BT-D 800 USB	Sennheiser	Wireless BT	20-0763-148-22	2.1.36		2019-04-25 07:30	On Stock
<input type="radio"/> BT-D 800 USB	Sennheiser	Wireless BT	19-4121-148-22	2.1.36	Amaratha Amarath	2019-09-29 11:51	Registered
<input type="radio"/> BT-D 800 USB	Sennheiser	Wireless BT	14-33875-148-22	2.1.36	Punyavathi T G	2019-05-08 16:14	Registered

To change the registration status, select the devices in the adjacent box of the same row and click the desired action button.

- “Registered device” – is when a user is set as a registered user (“owner”) of a device.
- “Unregistered device” – indicates that no specific owner has been assigned.
- “Current User” – shows the name of a user last seen using the device

A device can be removed (set inactive in Sennheiser HeadSetup™ Pro Manager) by selecting the device in the “View Device” list. Click the “Remove Device” button. A pop-up information box appears, a remove device window appears and the following details will be displayed:

- Status of device Active or inactive
- Device Name Product Name
- Device ID Product specific ID
- Vendor
- Reason Add comment about why the device is removed from active devices

Select “Remove” to remove the device from the View Device tab. The removed device can be viewed by clicking the tab “Removed Device.” Click cancel to close the window without removing any device.

Remove Device
×

Device Name	Device ID	Vendor	Description	
<input type="radio"/> SDW 5 BS MS EU	2-224-197-246-176	Sennheiser		✖
<input type="radio"/> SDW 5 BS MS EU	02e0c5f688	Sennheiser		✖

Remove
Cancel

5.2 Devices in use

Dashboard
Manage Device
Manage Updates
Manage User
Configuration
Reports

Company Name : TestLabAdmin Tenant Name : TSA

Manage Device

All Devices

Devices In Use

Inactive Device

Removed Devices

On Stock

Register

Registered AS

Unregister

Remove

Put to Stock

	Device Name	Registered User	Vendor	Type	Device ID	FW Version	Current User	Last Seen	Status
<input type="checkbox"/>	SDW 5 BS MS EU	Amrutha Amareesh	Sennheiser	Wireless BT	A0006R054800021	2.2.2	Amrutha Amareesh	2019-05-28 10:36	Registered
<input type="checkbox"/>	U 20 BL USB	Amrutha Amareesh	Sennheiser	Wireless USB	A000701884100003	1.0.1	Amrutha Amareesh	2019-05-27 13:42	Registered
<input type="checkbox"/>	U 20 BL USB	Amrutha Amareesh	Sennheiser	Wireless USB	A000701884100007	1.0.1	Amrutha Amareesh	2019-05-27 13:56	Registered
<input type="checkbox"/>	SC200 USB for MS II	Amrutha Amareesh	Sennheiser	Wireless USB	2158466396	15.05.73.73	Amrutha Amareesh	2019-05-24 13:58	Registered
<input type="checkbox"/>	Q 30 Headset	Amrutha Amareesh	Sennheiser	Wireless DECT	2-75-130-29-13	155	Amrutha Amareesh	2019-05-17 13:47	Registered
<input type="checkbox"/>	Q 30 for corporate	Amrutha Amareesh	Sennheiser	Wireless DECT	2-145-116-03-192	155	Amrutha Amareesh	2019-05-17 13:47	Registered
<input type="checkbox"/>	SDW 10 HS	Amrutha Amareesh	Sennheiser	Wireless DECT	A000107018000078	1.3.46	Amrutha Amareesh	2019-05-17 13:45	Registered
<input type="checkbox"/>	SDW 5 BS EU	Amrutha Amareesh	Sennheiser	Wireless DECT	A000180340A000467	1.3.46	Amrutha Amareesh	2019-05-17 13:45	Registered
<input type="checkbox"/>	SDW 10 HS	Amrutha Amareesh	Sennheiser	Wireless DECT	A000107018000085	1.3.51	Amrutha Amareesh	2019-05-17 13:45	Registered
<input type="checkbox"/>	SDW 3 BS EU	Amrutha Amareesh	Sennheiser	Wireless DECT	A000184230002031	1.3.51	Amrutha Amareesh	2019-05-17 13:45	Registered

1 / 34
1 - 10 of 337 Items

● Active
○ Inactive

The details of registered and unregistered devices are shown under devices in use tab.

“Registered device” – is when a user is set as a registered user (“owner”) of a device.

“Unregistered devices” are not tagged to a particular user. However, in the column “Current user”, the name of the latest user of the device can be seen, no matter if the device is registered or not. A device can be restored and then registered to a user by selecting it from the “Devices in use” list

The view includes the following details:

- Device Name
- Registered User
- Vendor
- Type

- Device Id
- FW Version
- Voice Prompt Version
- Current User
- Last Seen
- Status

5.3 Inactive Devices

Device Name	Registered User	Vendor	Type	Device ID	FW Version	Current User	Last Seen	Status
SE 30	Manikantara Namburi	Sennheiser	Speakerphone	4d1b96600353d4	1.2.22	Ranjitha Sandhyasankar...	2018-04-09 17:26	Registered
SC30 Control		Sennheiser	Wired USB	884904f315	15.05.40.413	Ranjitha Sandhyasankar...	2018-04-09 17:26	Unregistered
D 10 for upgrading		Sennheiser	Wireless DECT	1-02-28-24-8	15.3	Monica Raj	2018-04-09 17:21	Unregistered
DECT for upgrading		Sennheiser	Wireless DECT	1-02-19-122-64	15.5	Monica Raj	2018-04-09 17:31	Unregistered
Presence		Sennheiser	Wireless BT	20-26103-148-22	1.0.64	Monica Raj	2018-04-09 17:33	Unregistered
SE 20 for Lync		Sennheiser	Speakerphone	500050051000481	1.2.22	Monica Raj	2018-04-09 17:35	Unregistered
SDW 5 BS MS EU	Monica Raj	Sennheiser	Wireless DECT	2-224-197-244-24	0.19.0	Monica Raj	2018-04-09 17:37	Registered
SDW30 HS		Sennheiser	Wireless DECT	2-179-11-247-206	0.19.0	Monica Raj	2018-04-09 17:37	Unregistered
SD for Lync		Sennheiser	Wireless DECT	505070905072192	15.3	Monica Raj	2018-04-09 17:37	Unregistered
SD for Lync headset		Sennheiser	Wireless DECT	9060040950722759	15.3	Monica Raj	2018-04-09 17:37	Unregistered

It helps to manage the inactive devices in the system for a certain span of time period and an option is provided to filter inactive devices based on different time period.

Following are the different time periods:

- 1 Month
- 3 Months (Default)
- 6 Months
- 1 Year

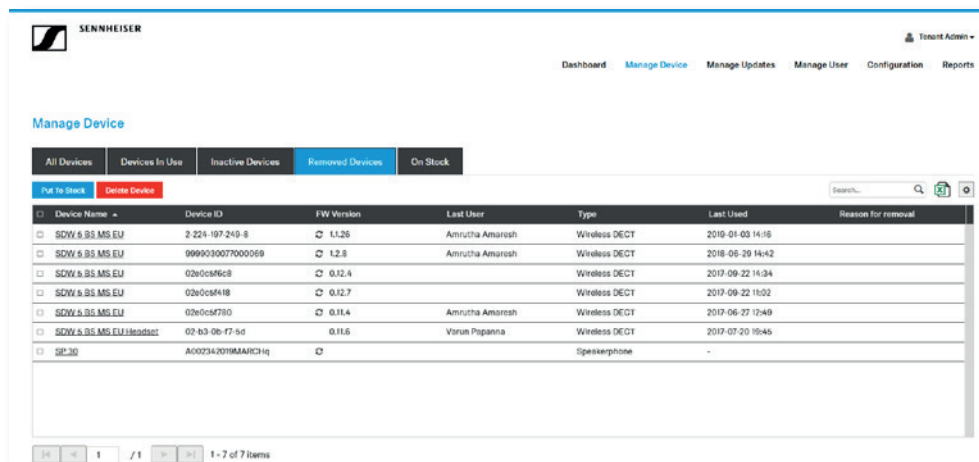
Remove option is provided in the layout to soft delete the devices.

The view includes the following details:

- Device Name
- Registered User
- Vendor
- Type
- Device ID
- FW Version
- Voice Prompt version
- Current User
- Last Seen
- Status

5.4 Removed device

Devices taken out for maintenance, or discarded can be removed from the system by using the Removed Device tab. Once a device is removed from the View Device tab, the device is moved to the Removed Device tab. A removed device can be set active again by clicking “Put On Stock” action button. Details will then be updated when device is being used.



The view includes the following details:

- Device Name
- Device ID
- Firmware Version
- Current User
- Type of the device
- Last used time and date
- Reason for removal
- Voice prompt version

To perform any of the actions, select the checkbox for the device/devices being targeted for the same action.

- Select “Delete Device” to remove a device from the system.
- Select “Restore Device” to restore a device to the View device List.

5.5 On Stock

Under the TAB On stock devices that have no current user, not registered user are listed. If the administrator gets back a device, he/she can find the device in the overview by searching for user or device and click the Put to stock button to place the device in stock. All user information is cleared from the device. The device can be removed from stock by clicking the Register button to assign the device to a new user.

Device Name	Vendor	Type	Device ID	Moved to Stock	Added to System
SDNY 3.5G MS EU	Sennheiser	Wireless DECT	2-224-107-250-40	2018-05-21 12:06	2018-04-09 17:23
RTD 800 USB	Sennheiser	Wireless BT	A0007112322229	2018-10-09 15:57	2018-10-09 15:57
RTD 800 USB	Sennheiser	Wireless BT	A0007112322256	2018-10-09 15:57	2018-10-09 15:57
RTD 800 USB	Sennheiser	Wireless BT	A0007112322233	2018-10-09 15:57	2018-10-09 15:57
RTD 800 USB	Sennheiser	Wireless BT	A0007112322252	2018-10-09 15:57	2018-10-09 15:57
RTD 800 USB	Sennheiser	Wireless BT	A0007112322235	2018-10-09 15:57	2018-10-09 15:57
RTD 800 USB	Sennheiser	Wireless BT	A0007112322234	2018-10-09 15:57	2018-10-09 15:57
RTD 800 USB	Sennheiser	Wireless BT	A0007112322242	2018-10-09 15:57	2018-10-09 15:57
RTD 800 USB	Sennheiser	Wireless BT	A0007112322249	2018-10-09 15:57	2018-10-09 15:57
RTD 800 USB	Sennheiser	Wireless BT	A0007112322237	2018-10-09 15:57	2018-10-09 15:57

Note: If the system detects a device being connected, the device will be moved from On stock list to the Unregistered list. (See definition of an unregistered device above).

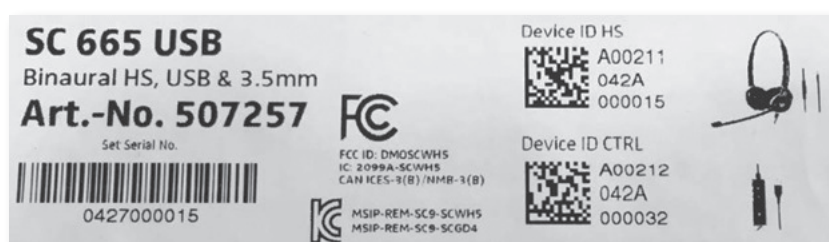
You can create a new device by Selecting “Create New” in on-stock tab.

A “Create New Device” window appears and the following details have to be entered.

- Device ID
- Device Type
- Device Name

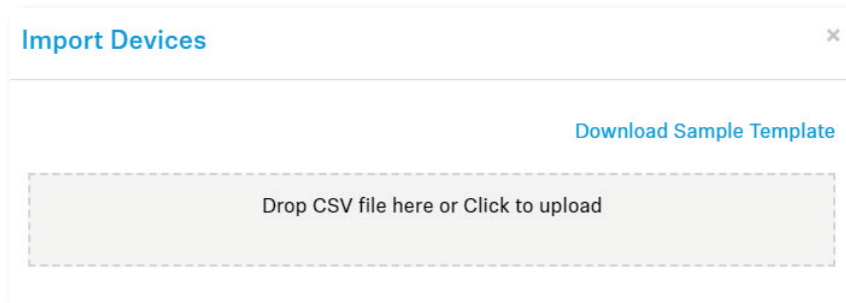
User has to input the 16 characters alphanumeric device ID, based on the device ID, system will identify the device family and device name and auto-fill the information.

The Device ID can be found on the box.



For adding analog devices the option analog must be selected. In this case the form is not auto fill and any ID's are allowed. Analog headsets are not detectable by the HeadSetup Pro and usage information is not going to be updated by the system.

IT Admin or Tenant Admin now have the ability to add multiple Sennheiser devices manually to HeadSetup™ Pro Manager or by using Import devices option and uploading an csv file.



6. Manage Updates

In the “Manage Updates” menu, actions for approving applicable firmware and software received from Sennheiser is managed together with functions for deploying software and firmware updates to users and devices enrolled into the system.

Software deployment: Sennheiser HeadSetup™ Pro client from Sennheiser.

Firmware deployment: Device specific firmware from Sennheiser.

The steps of managing software and firmware in Sennheiser HeadSetup™ Pro Manager are:

1. Go to the tab “Pending Updates” to check for new releases from Sennheiser.
Approve applicable releases.
2. Go to the tab “Firmware Updates,” or Software Updates.
Locate release to be deployed.

Click the deploy icon in the Action column.

In the deploy window:

- Select the user group to whom the update should be deployed.
- Select if the release should be mandatory to user(s) or deployed as optional to user(s) or deployed as silent to user(s). Silent update is only applicable for firmware updates.
- Select time schedule for deployment
- Select default or custom message (applicable only for mandatory updates). If Admin selects custom option, he/she can enter the custom message up to 250 characters.
- Deploy

Deploy

Select User Group* : Select User Group ▾

Deploy Type : Mandatory ▾

Schedule Date(Client Time)* : 06/14/2019 10:25

Message : ☒ Default ☐ Custom

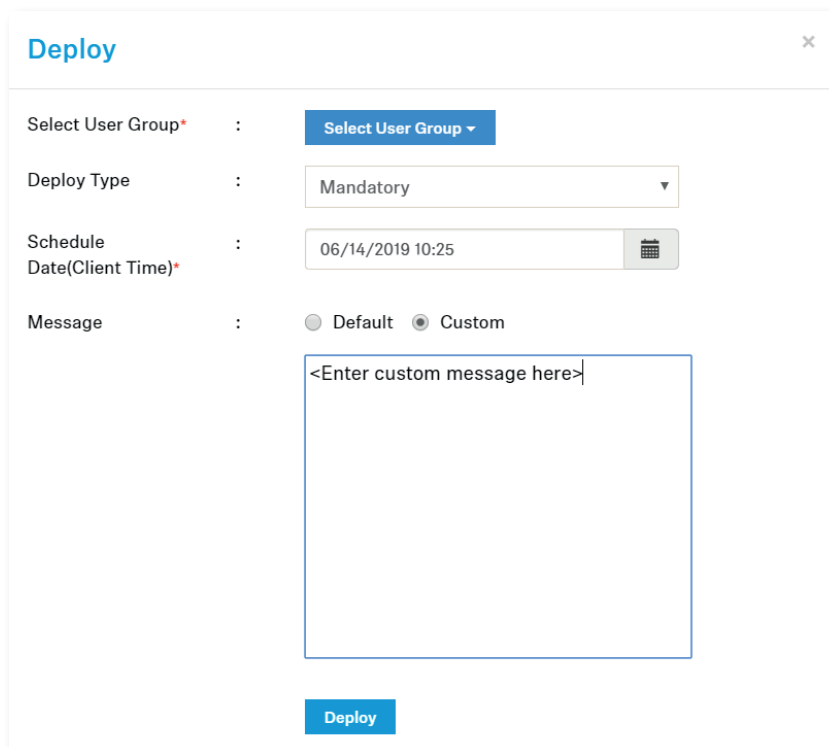
Your system admin has required a firmware update to your BTD 800 USB.

Click later to postpone the update one hour.

You can postpone no more than 3 times.

While your BTD 800 USB is updating, it will not be functional.

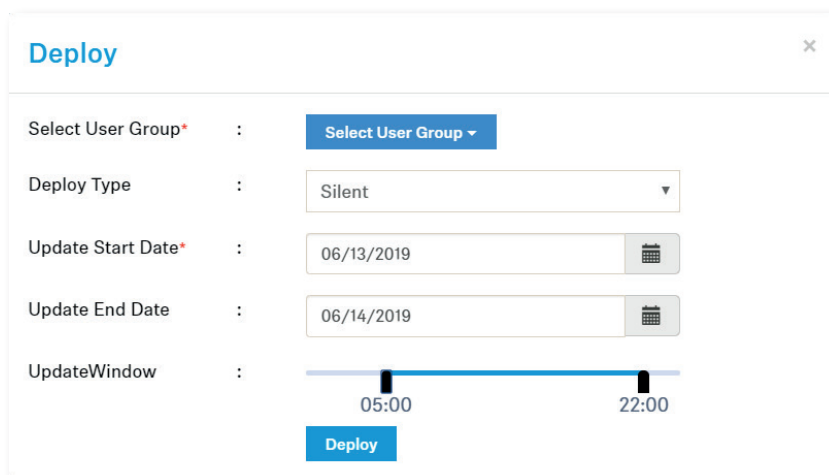
Deploy



The 'Deploy' dialog box is shown with the following configuration:

- Select User Group***: A blue button labeled 'Select User Group' with a dropdown arrow.
- Deploy Type**: A dropdown menu set to 'Mandatory'.
- Schedule Date(Client Time)***: A date and time field set to '06/14/2019 10:25' with a calendar icon.
- Message**: Radio buttons for 'Default' and 'Custom'. The 'Custom' option is selected, and a text area below contains the placeholder '<Enter custom message here>'. A blue 'Deploy' button is at the bottom.

In case of deploying important mandatory updates in the organization, a “Mandatory Update” can be initiated. This ensures that an important update to a device cannot be ignored by end-users, by only allowing the end-user to postpone the update. Reminder will pop up every hour, maximum three times. After the third time the update will take place automatically.



The 'Deploy' dialog box is shown with the following configuration:

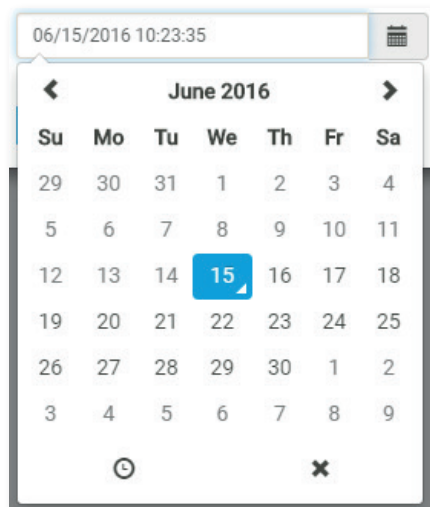
- Select User Group***: A blue button labeled 'Select User Group' with a dropdown arrow.
- Deploy Type**: A dropdown menu set to 'Silent'.
- Update Start Date***: A date field set to '06/13/2019' with a calendar icon.
- Update End Date**: A date field set to '06/14/2019' with a calendar icon.
- UpdateWindow**: A horizontal timeline slider set from '05:00' to '22:00'.
- A blue 'Deploy' button is at the bottom.


In case of deploying updates which should happen without any user interaction or when the user is logged off from the machine, a “Silent Update” can be initiated. This ensures that an update happens silently in the defined Update Window. After the end date, the “Silent Update” will behave as a mandatory update for the end user.

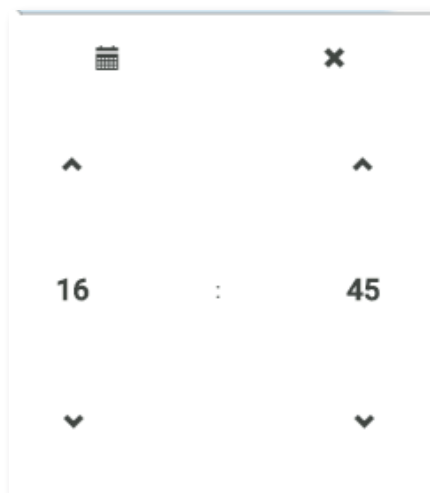
To schedule the date and time, click in the box and select the date and time as required.


To select the date, click on the specific day in the month of the year.


Default is set to current date and time is set to 10 minutes later.



To select the time, click the  button (the format for selecting time is <hour><minutes>)



To return to the date selection, click the  button.

It is possible to download the software or a firmware locally by clicking the download  icon.

To discard any version of the software or firmware, click on the  icon.



6.1 Pending updates

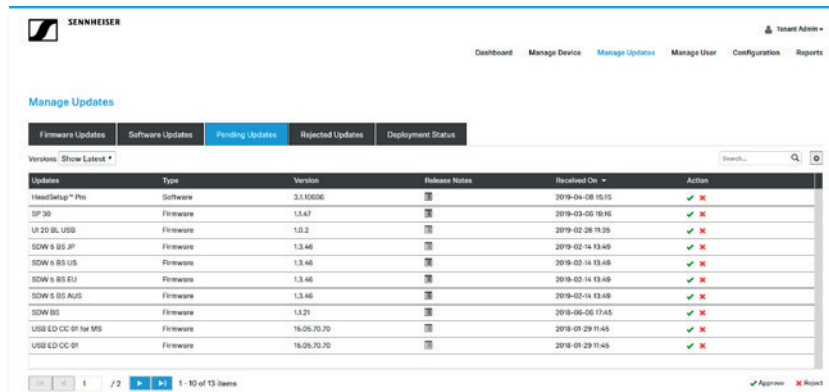
Sennheiser Communications sends a notification email to the Tenant Administrator about new software or firmware that has been released. The tenant administrator will be able to view these updates in the “Pending update” tab.

If a release is found to be applicable to be deployed in the organization, the tenant approves the update.

Important:

Update packages from Sennheiser cannot be used for deployment to users until the Tenant Administrator has approved the package for use.

- Click the  icon to approve the update to be used, hence moving the update to “Firmware Upgrade,” respectively “Software Update.”
- Click the  icon to reject the update. The update will be moved from the pending updates tab to the rejected updates tab.



The screenshot shows the 'Manage Updates' section of the Sennheiser Pro Manager. It features a navigation bar with tabs: Firmware Updates, Software Updates, Pending Updates, Rejected Updates, and Deployment Status. The 'Pending Updates' tab is active. Below the tabs is a table with columns: Updates, Type, Version, Release Notes, Received On, and Action. The table lists various updates for different Sennheiser products, including HeadSetup Pro, SP 30, LX 20 BL USB, SDW S BS AP, SDW S BS US, SDW S BS EU, SDW S BS AUS, SDW BS, USB ED CC 01 for MS, and USB ED CC 01. Each row has a green checkmark and a red X icon in the Action column, indicating options to approve or reject the update. A search bar and a 'Show Latest' dropdown are located above the table. At the bottom, there is a pagination bar showing '1 - 10 of 13 items' and buttons for 'Approve' and 'Reject'.

User can filter the data using the versions dropdown which has two options.

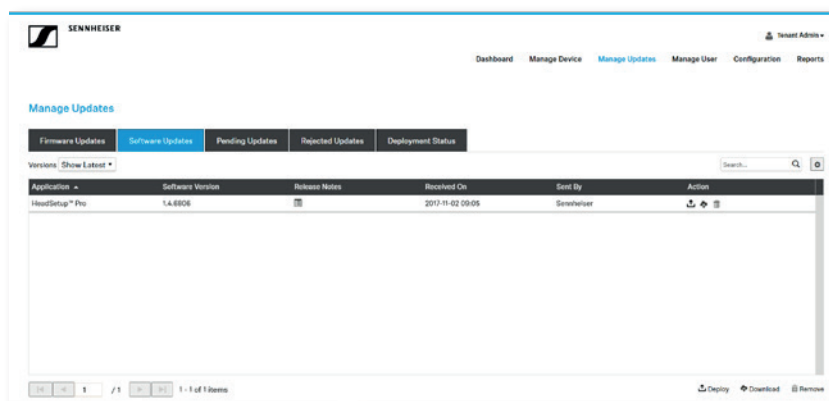
- Show Latest: gives the highest Firmware/Software version list.
- Show All: will display all the records

The following details are available in the view:

- Device name or software name targeted by the update
- Type of device
- Version of the firmware/software or voice prompt
- Release notes for the update
- Date and time of receiving the update

6.2 Software updates

Under the tab “Software Updates,” new versions of the end-user software “Sennheiser HeadSetup™ Pro” will be available for deployment in your organization.



The screenshot shows the 'Manage Updates' section of the Sennheiser Pro Manager, specifically the 'Software Updates' tab. The table has columns: Application, Software Version, Release Notes, Received On, Sent By, and Action. It displays a single update for 'HeadSetup Pro' with version '1.4.6006', received on '2017-11-02 09:05', and sent by 'Sennheiser'. The Action column contains icons for deployment, download, and removal. A search bar and a 'Show Latest' dropdown are located above the table. At the bottom, there is a pagination bar showing '1 - 1 of 1 items' and buttons for 'Deploy', 'Download', and 'Remove'.

User can filter the data using the versions dropdown which has two options.

- Show Latest: gives the highest Software version list.
- Show All: will display all the records

The following details can be viewed:

- Release notes
- Date and time of receiving the update notification.
- Source from where the update has been sent.

From the column “Action,” you can deploy, download or delete the software released from Sennheiser.

Note: When deploying a software update of the client a warning will be presented. This is because the HeadSetup Pro software requires administrative rights for installation. This has the following impact. For users without administrative rights on their PC, they will be prompted to enter user credentials and password for a user with the right permissions.

For user with administrative rights the user can still be prompted with a “Do you want allow the following program to make changes to this computer” message box. This is default windows behavior caused by the UAC settings. This can be removed by changing the UAC settings to Never notify, but this is not recommended. The user has to click yes for the software to install.

The recommended way of updating the software is to use a mass deployment tool such as SCCM.

6.3 Firmware updates

Under the tab “Firmware Updates,” new device-specific firmware/voice prompt releases from Sennheiser will be available for deployment in the organization if approved under “Pending Update.”

To benefit from device firmware improvements and enhanced functionality released via updates from Sennheiser, it is highly recommended to keep devices in the organization updated.

Device Name	Type	Version	Release Notes	Received On	Sent By	Action	Build
BTD 800 USB	Firmware	2.1.5		2017-10-25 10:48	Sennheiser	Deploy	Production
BTD 800 USB for Lync	Firmware	1.1.4		2016-10-25 11:02	Sennheiser	Deploy	Production
D 10	Firmware	190		2017-01-03 12:29	Sennheiser	Deploy	Production
D 10 for Lync	Firmware	185		2017-11-22 15:08	Sennheiser	Deploy	Production
D 10 for upgrading	Firmware	182		2017-09-04 14:42	Sennheiser	Deploy	Production
DECT	Firmware	146		2016-10-12 18:39	Sennheiser	Deploy	Production
DECT for Lync	Firmware	135		2016-01-07 07:03	Sennheiser	Deploy	Production
DECT for upgrading	Firmware	147		2016-12-20 11:36	Sennheiser	Deploy	Production
DECT USB	Firmware	163		2017-11-17 18:15	Sennheiser	Deploy	Production
MB 660	Firmware	1.0.12		2017-10-25 12:17	Sennheiser	Deploy	Production

User can filter the data using the versions dropdown which has two options.

- Show Latest: gives the highest Firmware version list.
- Show All: will display all the records

The following details about the release can be viewed:

- Device name of the device to be upgraded
- Type of the device which can be firmware/voice prompt

- Latest version of the firmware/voice prompt in the device
- Release notes by clicking on the associated icon
- Date and time of receiving the update notification
- Source from where the update is sent.

From the column “Action,” you can deploy, download or delete the software released from Sennheiser.

6.4 Rejected updates

You can choose to reject an update from the Pending Updates view if the update is not found to be relevant. Rejected updates can always be restored from the “Rejected Updates” tab.

The following details about the release can be viewed:

- Name of the firmware, software or voice prompt in the device
- Type of target for the release
- Firmware, software or voice prompt version
- Release notes
- Date and time for receiving the release

6.5 Deployment Status

Job Created	Type	Device	Group Name	Version	Devices Reached	Update Status
2018-02-26 12:54	Update	SDW S.BG.MS.EU	Person Alone	0.12.7	100%	100%
2018-02-23 14:09	Update	HeadSetup™.Pnp	Person Alone	2.0.7704	100%	100%
2017-12-01 15:05	Update	SDW S.BG.MS.EU	YemurGroup	0.12.7	100%	100%
2017-11-30 10:23	Update	SDW S.BG.MS.EU	AD_WaltDisney	0.12.7	100%	100%
2017-10-25 13:38	Update	SD for Lemo	AFUsers	153	100%	100%
2017-10-11 11:04	Update	SDW S.BG.MS.EU	YemurGroupParent1	0.12.7	100%	100%
2017-09-21 16:51	Update	HeadSetup™.Pnp	AD_WaltDisney	1.4.6602	100%	100%
2017-09-07 15:39	Update	BT2.800.USB for Lemo	AD_WaltDisney	2.0.4	100%	100%
2017-09-07 15:39	Update	BT2.800.USB	AD_WaltDisney	2.0.4	100%	100%
2017-09-07 14:50	Update	SDW.BG	AD_WaltDisney	0.12.6	100%	100%

All active deployment jobs are listed in this view.

The following information is presented here:

- Job Created : Time stamp the job was created.
- Type: The job type. (Currently only Update)
- Device: The device, software or voice prompt targeted with this job.
- Group name: The name of the group the update is sent to.
- Version: Version of the software, firmware or voice prompt that was deployed.
- Devices Reached: KPI of the distribution.
- Update success: KPI of update being completed.

The “Device Reached “ KPI represents:

Gray

color as status is not yet available

- It is a background job, it collects the KPI status and display

one of the below status after some time interval.

Green color as download success.

Red color as download not yet done.

On hovering over the color bar, it shows the no of devices for which firmware download was success or not yet downloaded.

The “Upgrade Status” KPI represents:

Gray color as status is not yet available

- It is a background job, it collects the KPI status and display one of the below status after some time interval.

Green color as Upgrade success

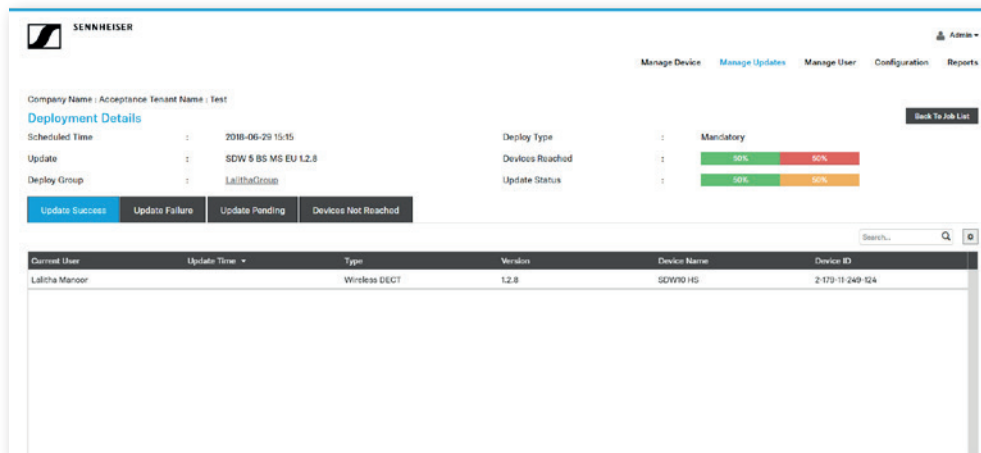
Red color as upgrade failed

Orange color as upgrade pending.

When clicking the color bar or device link will bring you to the details page.

Note: The KPI information is only rendered after 60 minutes and will therefore only be available thereafter.

6.6 Deployment details



The deployment details page gives you more specific information of the actual status.

- Scheduled Time: The schedule time that was given when deployed.
- Update: The name of the device or software and its new version.
- Deploy Group: The name of the group the update is sent to.
- Devices Reached: KPI of the distribution.
- Update success rate: KPI of update being completed.
- Deploy Type: Update type deployed to end-users Mandatory/Optional/Silent
- Deployment Start Date: The date from when Silent update is applicable.
- Deployment End Date: The date when Silent update period ends.
- Update Window: Updates will be applied only during this time interval.

The “Device Reached “ KPI represents:

Gray	color as status is not yet available - It is a background job, it collects the KPI status and display one of the below status after some time interval.
Green	color as download success.
Red	color as download not yet done.

On hovering over the color bar, it shows the no of devices for which firmware download was success or not yet downloaded.

The “Upgrade Status” KPI represents:

Gray	color as status is not yet available - It is a background job, it collects the KPI status and display one of the below status after some time interval.
Green	color as Upgrade success
Red	color as upgrade failed
Orange	color as upgrade pending.

Update Success tab displays the devices for which deployment succeeded.

Update Failure tab displays the devices for which deployment failed. (Update was downloaded and update attempt was done.)

Update pending tab displays the devices for which update is pending. Download had been done but update has not yet started.)

Device not Reached tab displays the devices which have not yet downloaded the update.

7. Configuration

HeadSetup Pro™ Manager enables the possibility to read the settings of the connected devices and softphone settings of Sennheiser HeadSetup™ Pro.

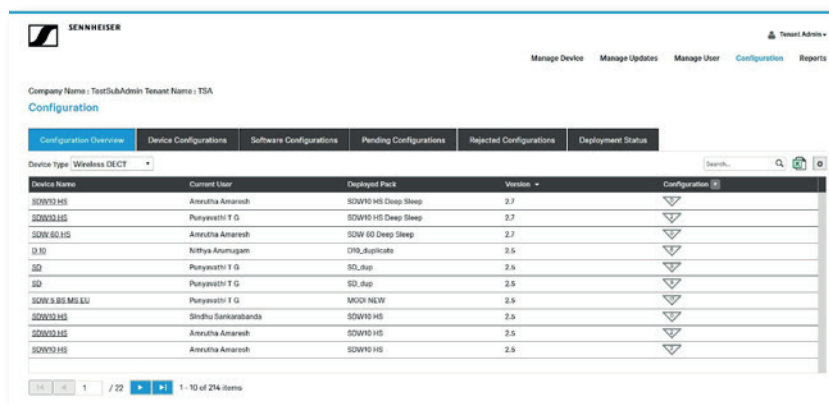
Using the tool you are also able to push configurations and lock specific settings on the end users devices by pushing a configuration package.

In the current example we will be pushing a regulatory compliance setting to a group. The flow is very similar to a firmware update so prerequisites are the same.

Before start using the configuration please ensure that the devices are updated with the latest firmware.

7.1 Configuration Overview

The configuration overview page is designed to have a one place to see and easily compare a configuration setting. The page lists all devices that are applicable for a configuration and gather all the settings in one place.



Device Name	Current User	Deployed Pack	Version	Configuration
Sennheiser HS	Anantha Anandh	Sennheiser HS Deep Sleep	2.7	
Sennheiser HS	Punyavathi T G	Sennheiser HS Deep Sleep	2.7	
Sennheiser HS	Anantha Anandh	Sennheiser HS Deep Sleep	2.7	
Sennheiser HS	Kiritha Anugam	Sennheiser HS Deep Sleep	2.6	
Sennheiser HS	Punyavathi T G	Sennheiser HS Deep Sleep	2.6	
Sennheiser HS	Punyavathi T G	Sennheiser HS Deep Sleep	2.6	
Sennheiser HS	Punyavathi T G	Sennheiser HS Deep Sleep	2.6	
Sennheiser HS	Punyavathi T G	Sennheiser HS Deep Sleep	2.6	
Sennheiser HS	Punyavathi T G	Sennheiser HS Deep Sleep	2.6	
Sennheiser HS	Punyavathi T G	Sennheiser HS Deep Sleep	2.6	

In Configuration overview layout, implemented 'Device Type' filter and currently this filter supports to filter on four device types

- Wireless DECT
- Wired USB
- Wireless BT
- Sennheiser HeadSetup™ Pro

By default, 'Wireless DECT' filter will be applied

In this view all configurable devices are listed and you can do a global search to filter on either devices, users or deployed configuration package.

The deployed pack column shows if and what configuration package has been pushed to the specific device.

Now, we can see configuration package version numbers



Shows the number of configuration parameters available on the product. Clicking

it will open up a view of all the configurations and their value on the product.

If the number shows 0 it means that the device did not support any configuration. Most likely because the firmware version is not supporting it. Suggestion is to update to latest firmware.

Configuration ▾

For comparing a single value, it is possible to click the drop down on the title bar to select 1 of the available configurations. The grid now changes to only show the selected configuration and value. This provides an easy way to compare many devices quickly just by looking.

7.2 Pending Configurations

Packages for all our supported products are available under the Configuration section selecting the Pending Configurations TAB. Here is the option to either approve or decline them. When approving the package is moved to either the device configuration or software configuration TAB based on the configuration type and when rejected they are moved into Rejected Configurations TAB.

Device	Pack Name	Version	Type	Received On	Action
SDW S BS MS EU	SDW S BS MS EU_Fab2019	3.0	Wireless DECT	2019-03-28 10:12	✓ ✗
USB ED CC 01 for MS	USB-ED.CC.01_for_MS	2.5	Wired USB	2017-12-11 14:30	✓ ✗
USB ED CC 01	USB-ED.CC.01	2.5	Wired USB	2017-12-11 14:30	✓ ✗
SDW S BS MS EU	MODSBSMS_2	2.5	Wireless DECT	2017-12-08 12:17	✓ ✗
USB RJB 01	USB-RJB.01	2.5	Wired USB	2017-12-08 12:17	✓ ✗
UUSBK UK Controller	UUSBK.UK_Controller	2.5	Wired USB	2017-12-08 12:17	✓ ✗
USB ED 01	USB-ED.01	2.5	Wired USB	2017-12-08 12:17	✓ ✗
SC4S USB MS EVAL	SC4S.USB_MS_EVAL	2.5	Wired USB	2017-12-08 12:17	✓ ✗
SC4S USB CTRL	SC4S.USB_CTRL	2.5	Wired USB	2017-12-08 12:17	✓ ✗
SC4S USB MS	SC4S.USB_MS	2.5	Wired USB	2017-12-08 12:17	✓ ✗

User can filter the data using the versions dropdown which has two options.

- Show Latest: Will show highest version followed by the latest timestamp of the received On / Uploaded On column.
- Show All: will display all the records

7.3 Rejected Configurations

All rejected packages are moved to this TAB. The main reason for declining them is to filter them away from the daily working folders in case the product models are not relevant for your portfolio. Rejected configurations packages can be restored by clicking the Restore Configuration button.

7.4 Device Configurations

The device Configuration TAB contains a list of all raw device configuration packages received and approved. These packages will be read only when received and all values will be empty.

Device Name	Pack Name	Version	Type	Received On	Action
STD 800 USB	STD.800.USB	3.0	Wireless BT	2019-04-01 17:05	🔄 🗑️ 📄
D 10	D_10	2.5	Wireless DECT	2018-06-19 15:53	🔄 🗑️ 📄
D 10	bus.D10.Anaema	2.5	Wireless DECT	2018-06-18 17:01	🔄 🗑️ 📄
D 10	D_10_dsp	2.5	Wireless DECT	2018-06-18 17:01	🔄 🗑️ 📄
D 10	D_10_duplicate	2.5	Wireless DECT	2018-06-19 15:54	🔄 🗑️ 📄
DECT for Lync	STDDECTMA_5	2.5	Wireless DECT	2018-03-22 10:56	🔄 🗑️ 📄
DECT for Lync	DECT.Lync.Package	2.5	Wireless DECT	2018-03-22 10:57	🔄 🗑️ 📄
DECT USB for Lync	DECT.USB_for_Lync	2.5	Wireless DECT	2018-06-18 16:47	🔄 🗑️ 📄
DECT USB for Lync	dect_usb	2.5	Wireless DECT	2018-06-18 16:48	🔄 🗑️ 📄
SC23P USB CTRL R	SC23P.USB_CTRL_R	2.5	Wired USB	2017-11-19 11:59	🔄 🗑️ 📄

User can filter the data using the versions dropdown which has two options.

- Show Latest: Will show highest version followed by the latest timestamp of the received On / Uploaded On column.
- Show All: will display all the records

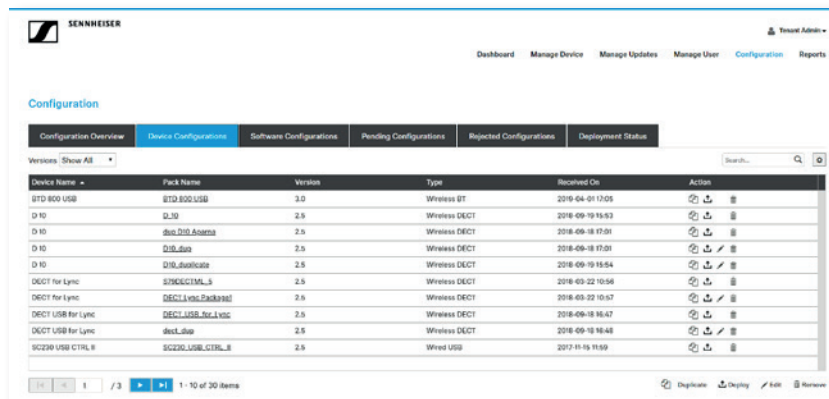
7.4.1 Duplicate configuration package

For editing the package and choosing the values of the configuration it is needed to create a copy of the package. This is done by clicking the Copy icon on the line, providing a new pack name and clicking Save.

A new package is then added and an Edit icon is shown on the line.

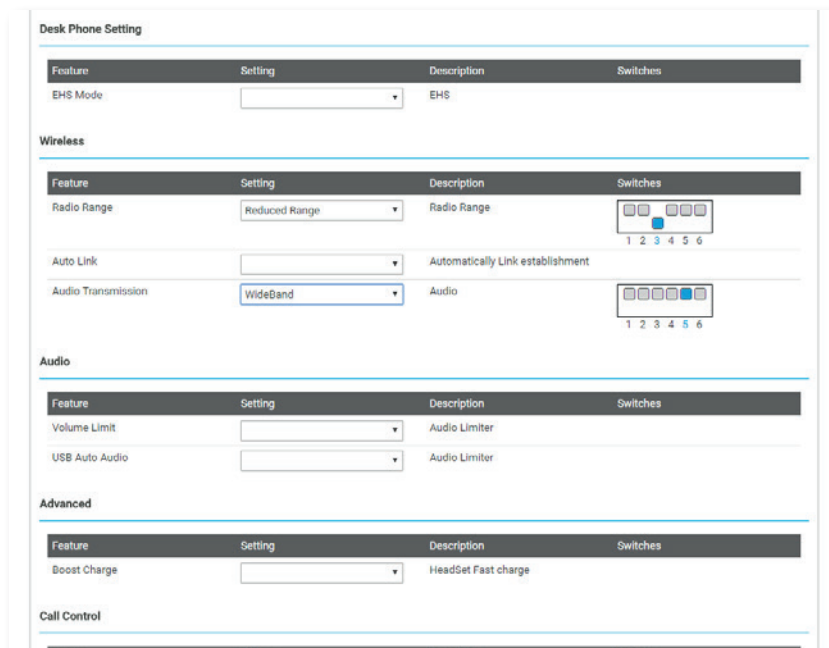
7.4.2 Edit configuration package

Once the package is duplicated it is now editable and a small edit icon will appear.



Package can now be duplicated again, deployed, edited or deleted.

Clicking the edit button opens the package to allow setting the values.

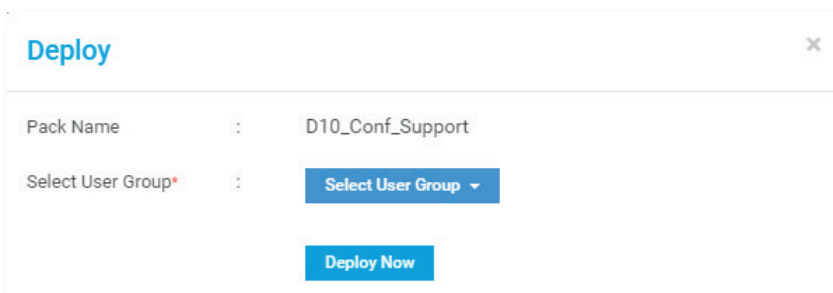


The values can be selected by opening the drop down. When a selection have been made a graphical representation is shown for the device MMI where available. When selecting a value and deploying it, the given value will be locked on the end user device and the user will not be able to change the value themselves, not even by changing the physical switch. The release the setting again (so the end user can decide setting), you need to choose the blank value and redeploy the package.

When settings have been selected, remember to click the “Save” button.

7.4.3 Deploying Configuration

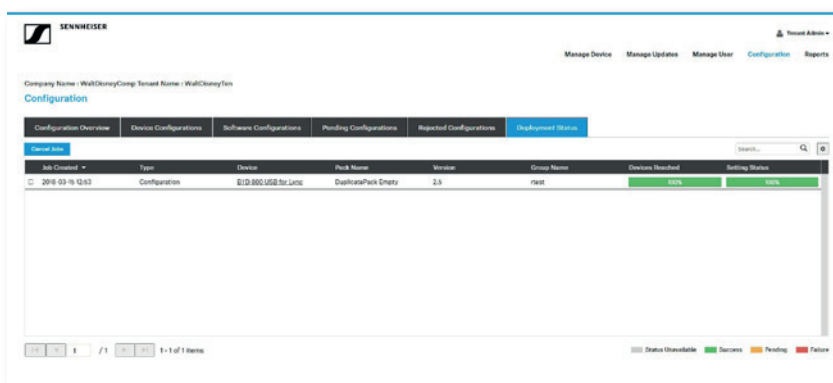
Once package is ready, it can be deployed to a user group. This is done by clicking the Deploy icon on the line.



When deploying you need to choose a user group (see section 3). To send the package click the Deploy Now button. The configuration will happen silently on the end user device on the next heartbeat.

7.4.4 Deployment Status

Very similar to the firmware deployment it is possible to follow the status of the deployment. (Referring to the section 5.5).



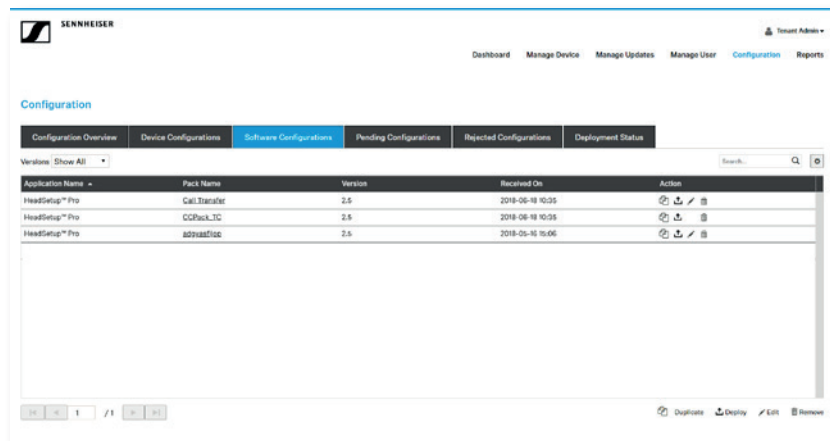
Job Created	Type	Device	Pack Name	Version	Error Name	Devices Needed	Setting Status
2018-03-16 12:53	Configuration	S10 800 USB for Jans	DuplicatePack Empty	2.0	None	100%	100%

Clicking the specific job gives more detail regarding who is missing a deployment and potential reason.

Reasons are often due to a firmware is not supporting configuration. Please update to latest update.

7.5 Software Configuration

The Software Configuration TAB contains a list of all raw Sennheiser HeadSetup™ Pro softphone configuration packages received and approved. These packages will be read only when received and all values will be empty.



User can filter the data using the versions dropdown which has two options.

- Show Latest: Will show the highest version followed by the latest timestamp of the received On / Uploaded On column.
- Show All: will display all the records


All grid action use cases like duplicating, editing and deploying the packages are similar to the 'Device configurations' TAB grid action use cases. (Referring to the section 7.4.1 to 7.4.4)

8. Reports

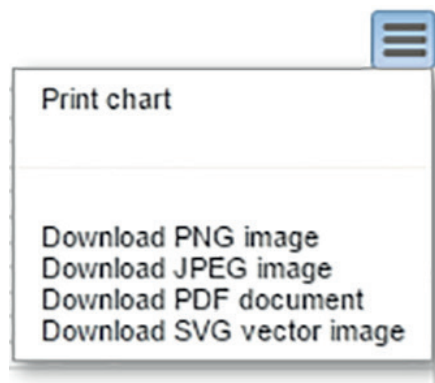
Reports offer an in-depth analysis of existing conditions in the company.

The reports have two sub-menus showing the details of the following:

- User
- Device
- Call activity
- Softphone

A chart being viewed can be downloaded or printed by clicking the  icon shown at the right top corner of the chart interactive region.

To select the desired output format, click the icon and select the relevant option. The below stated options are available to the tenant:



Click the legends to show or hide the values in the existing chart.

An active user for a monthly statistics is defined as: ‘

“Someone who has used the Sennheiser HeadSetup™ Pro at least once during the month”

An active user for daily statistics is defined as:

“Someone who has used the Sennheiser HeadSetup™ Pro at least once during the day”

Note: All the data for the reports are with reference to Greenwich Mean Time (GMT).

8.1 User

The total number of active and inactive users will display an index with a standard goal and help to identify inactive devices. A status summary of deployed Sennheiser HeadSetup™ Pro client software compared to available versions is also available.

8.1.1 User Overview

“Users overview” will show the daily statistics summary of the total number of active users in a week.

The pointer can be placed over any section of the day column for the exact key values.

For example, the below shown figure displays the exact number of active users for a periode of the last 7 days.



On clicking the report, user can view the detailed report for each device model which shows the count of the devices with different firmware version currently used.

8.1.2 Client versions

The Client versions pie chart shows the version of the Sennheiser HeadSetup™ Pro being used.

The following views can be selected:

1. Active in the last 30 days: View the percentage of active users using Sennheiser HeadSetup™ Pro versions.
2. Total (active/inactive): View the percentage of all users (active and inactive) throughout time using Sennheiser HeadSetup™ Pro versions.

8.1.3 Monthly Overview

The overview will show the monthly statistics summary of the total number of users and active users in a year. To view the exact numeric value, position the pointer over any section. For example, the below shown figure displays the exact number of total users and active users in the months from March to July. This graph can be used to monitor that your installations correspond to the number of users/employees.



8.2 Device

Evaluating the statistics of the devices used by the end-user reflects the device usage by the company.

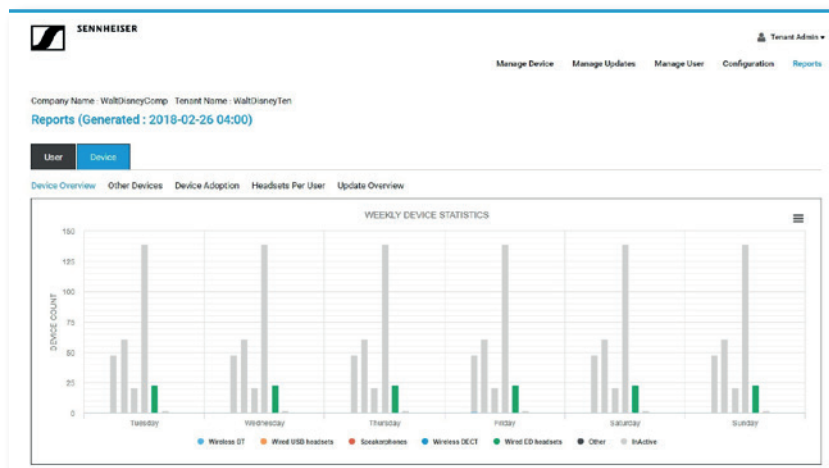
The device menu does a competitive analysis based on the competitors and the product criteria.

8.2.1 Device Overview

There are different series of devices used by the end-users. “Devices overview” help to find out the usability index of the active devices on a daily basis.

- Wired ED headsets (analog headsets)
- Wireless DECT headsets
- Wireless BT headsets (Bluetooth products)
- Wired USB headsets
- Speakerphones

The trend of the active devices can be seen on a weekly basis.



8.2.2 Other devices

The “Other Devices” menu shows the usage of Sennheiser products as well as devices from competitors.

Click on a segment to explode that segment for a better understanding of the comparison.

The following selections are available:

1. Active in the last 30 days: View the percentage of active devices in the last 30 days.
2. Total (active/inactive): View the percentage of all devices (active and inactive) throughout time.

8.2.3 Device adoption

An overview shows a clear synopsis of the total number of devices (active/inactive) with the following active devices of the series.

The following active vs. inactive devices under series are shown in the chart.

- Wired ED headsets (analog headsets)
- Wireless DECT headsets
- Wireless BT headsets (Bluetooth products)
- Wired USB headsets
- Speakerphones

The chart identifies the number of devices that have not connected in three different

time ranges and the following selections are available:

- Monthly: the chart shows a full calendar month.
- Half Yearly: the chart shows a six calendar months.
- Yearly: the chart shows a full calendar year.



By clicking the specific product group in the graph, it is possible to get a detailed overview of the product models under the groups.

8.2.4 Headsets per User

This report overview shows the user count based on the number of headsets being used.

8.2.5 Update Overview

The overview will show the percentage of the devices which are having the latest version to the ones which are yet to be updated. The firmware version approved by the tenant is taken as reference to calculate the percentage.

The following views can be selected:

- Total: This view considers all the devices added in the system.
- Active in last 30 days: This view considers only the devices connected in last 30 days.

8.3 Call Activity

Evaluating the statistics of the call activity of the end-user reflects the call activity statistics by the company.

The Call activity menu does an analysis based on the call type and call duration of softphones and devices.

8.3.1 Call Overview

Call overview gives the analysis about the number of incoming and outgoing calls attended during the specified period.



Following are the different time period filters can be applied on the chart

- Last week: the chart shows the number of calls attended daily basis for the last seven days
- Last Month: the chart shows the number of calls attended daily basis for the last month i.e. last thirty days.
- Monthly: the chart shows the number of calls attended monthly basis for the last one year
- Half Yearly: the chart shows the number of calls attended half yearly basis for the last one year
- Yearly: the chart shows the number of calls attended yearly basis for last one year

By clicking on a specific series/bar in the chart, more details of the call for the corresponding time period will be displayed in the table view.

SENNHEISER

Manage Asset Manage Updates Manage Tenant Configuration Reports

Reports (Generated : 2019-01-19 23:30)

User Device Call Activity Softphone

Call Overview Call Duration-Device Call Duration-Softphone

CALL OVERVIEW (SUNDAY - SATURDAY)
(THURSDAY)

User Name	Softphone Name	Softphone Version	Device	Type	Start Time	End Time	Duration
Sataminder Singh	Skype for Business	16.0.4728	SC280 for Lync	Outgoing	2019-01-17 13:36	2019-01-17 13:36	00:00:00
Sataminder Singh	Skype for Business	16.0.4728	SC280 for Lync	Outgoing	2019-01-17 13:36	2019-01-17 13:36	00:00:00
Sataminder Singh	Skype for Business	16.0.4728	SC280 for Lync	Outgoing	2019-01-17 13:36	2019-01-17 13:36	00:00:00
Sataminder Singh	Skype for Business	16.0.4728	SC280 for Lync	Outgoing	2019-01-17 13:36	2019-01-17 13:36	00:00:00
Sataminder Singh	Skype for Business	16.0.4728	SC280 for Lync	Outgoing	2019-01-17 13:36	2019-01-17 13:36	00:00:00
Sataminder Singh	Skype for Business	16.0.4728	SC280 for Lync	Outgoing	2019-01-17 13:36	2019-01-17 13:36	00:00:00
Sataminder Singh	Skype for Business	16.0.4728	SC280 for Lync	Outgoing	2019-01-17 13:36	2019-01-17 13:36	00:00:00
Sataminder Singh	Skype for Business	16.0.4728	SC280 for Lync	Outgoing	2019-01-17 13:36	2019-01-17 13:36	00:00:00
Sataminder Singh	Skype for Business	16.0.4728	SC280 for Lync	Outgoing	2019-01-17 13:36	2019-01-17 13:36	00:00:00
Sataminder Singh	Skype for Business	16.0.4728	SC280 for Lync	Outgoing	2019-01-17 13:36	2019-01-17 13:36	00:00:00

1 / 10 1 - 10 of 10 items

The following details can be found in the table view.

- User Name
- Softphone Name
- Softphone Version
- Device

The following details can be found in the table view.

- User Name
- Softphone Name
- Softphone Version
- Device
- Type
- Start Time
- End Time
- Duration

The user has an option to export the data in the table to an excel sheet by clicking the excel icon present on the top right side.

8.3.3 Call Duration – Softphone

Call duration–Softphone tab gives the information about the call duration of different softphones during the specified period.



Following are the different time period filters can be applied on the chart

- Last week: the chart show call duration for which each softphone used on daily basis for the last seven days
- Last Month: the chart shows call duration for which each softphone used on daily basis for the last month i.e. last thirty days.
- Monthly: the chart shows call duration for which each softphone used on monthly basis for the last one year
- Half Yearly: the chart shows call duration for which each softphone used on half yearly basis for the last one year
- Yearly: the chart shows call duration for which each softphone used on yearly basis for the last one year

By clicking on a specific item in the chart the drilldown data for the corresponding time interval will be displayed in the table where all the details of the call for the different **softphones** will be displayed

Reports (Generated : 2019-01-17 23:30)

Call Overview | Call Duration - Device | Call Duration - Softphone

CALL DURATION - SOFTPHONE (FRIDAY - THURSDAY)
(WEEK SUMMARY)

User Name	Softphone Name	Softphone Version	Device Name	Type	Start Time	End Time	Duration
Chitra Ponnathurai	Skype for Business	16.0.4758	SOX000 for Lync	Incoming	2019-01-16 03:00	2019-01-16 03:47	00:47:00
Chitra Ponnathurai	Skype for Business	16.0.4758	SOX000 for Lync	Incoming	2019-01-16 03:00	2019-01-16 03:47	00:47:00
Chitra Ponnathurai	Skype for Business	16.0.4758	BYD 8300 USB for Lync	Incoming	2019-01-16 03:00	2019-01-16 03:47	00:47:00
Chitra Ponnathurai	Skype for Business	16.0.4758	BYD 8300 USB for Lync	Incoming	2019-01-16 03:00	2019-01-16 03:47	00:47:00
Chitra Ponnathurai	Skype for Business	16.0.4758	BYD 8300 USB for Lync	Incoming	2019-01-16 03:00	2019-01-16 03:47	00:47:00
Chitra Ponnathurai	Skype for Business	16.0.4758	SOX000 for Lync	Incoming	2019-01-16 13:57	2019-01-16 14:47	00:50:00
Chitra Ponnathurai	Skype for Business	16.0.4758	SOX000 for Lync	Incoming	2019-01-16 13:57	2019-01-16 14:47	00:50:00
Chitra Ponnathurai	Skype for Business	16.0.4758	BYD 8300 USB for Lync	Incoming	2019-01-16 13:57	2019-01-16 14:47	00:50:00
Chitra Ponnathurai	Skype for Business	16.0.4758	BYD 8300 USB for Lync	Incoming	2019-01-16 13:57	2019-01-16 14:47	00:50:00

1 - 10 of 10 items

The following details can be found in the view.

- User Name
- Softphone Name
- Softphone Version
- Device
- Type
- Start Time
- End Time
- Duration

The user has an option to export the data in the table to an excel sheet by clicking the excel icon present on the top right side.

8.4 Softphone

Softphone overview shows the statistics of the different Softphones used spread across the company.

8.4.1 Softphone Adoption

Softphone adoption gives the analysis of the UC and CC clients using the different softphones of different brands. This section has three charts.



SOFTPHONE BRAND SHARE: This report gives the information about percentage of total softphones of different brands.

SOFTPHONE SHARE: This report gives the information about the percentage of total users using different softphones for a given brand.

Filter option is available to change the brand and filter the specific data for the selected brand.

SOFTPHONE VERSION: The report gives the information about the number of users using a specific version softphone used.

Filter option is available to change the softphone and filter the specific data for the selected softphone.

By clicking on a specific chart series/bar in the above charts, more details will be displayed in table view.

Reports (Generated : 2019-01-17 23:30)

Manage Asset Manage Updates Manage Tenant Configuration Reports

Softphone Adoption

Brand: Microsoft Softphone: SIP for Business Version: 10.0.4708

SOFTWARE ADOPTION OVERVIEW

User Name	Softphone	Version	Host Name	Model	Operating System	OS Version	Platform
Admin@Asterisk	SIP for Business	10.0.4708	A2MUG13	Hewlett-Packard A3000G	Microsoft Windows 10 Enterprise	10.0.17134	64-bit

1 of 1 items

The following details will be included in the table view.

- User Name
- Softphone
- Version
- Host Name
- Model
- Operating System
- OS version
- System Type

Three filter options in the table view, to filter based on Brand, Softphone and Version.

The user has an option to export the filtered data to an excel sheet by clicking the excel icon present on the top right side.



Contact information

Support Portal: www.sennheiser.com/cco-support
E-mail: hsuphelp@senncom.com
Phone: Find your local support phone number and opening hours here below.

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9:00 – 18:00

Hong Kong S.A.R., China

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9:00 – 18:00

India

T 1 800 200 3632
9:00 – 18:00

Japan

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9:00 – 18:00

New Zealand

T +64 (9) 580 0489
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Singapore

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Denmark

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8:00 – 17:00

Finland

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8:00 – 17:00

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8:00 – 17:00

Germany

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8:00 – 17:00

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8:00 – 17:00

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8:00 – 17:00

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8:00 – 17:00

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Netherlands

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Norway

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Russia

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Switzerland

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Mexico

T +52 5553502401
8:00 – 17:00

North America

Canada

T 1-800-895-7412
8:00 – 17:00

United States

T 1-800-895-7412
8:00 – 17:00

Middle East / Africa

United Arab Emirates

T 800 035703844
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