



Add-On Products

Digital Sign Client

Client Installation Guide

For DSS 4.3

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CHAPTER 1.

Introduction

This Installation Guide is intended for IT Specialist and describes how to install and setup DS Service for Client side.

The document consists of the following chapters:

- [Introduction](#) chapter gives you the structure of the document as well as an overview of the DS Service software.
- [How to use the DS Service System](#) chapter provide you steps that you need to follow in order to setup the DSS software. In those steps, you will find a link to the appendix for more detail instruction to do the step.
- [Appendixes](#) chapter contains the detail information on different aspects of DS Service.

In this chapter:

- Definitions, Acronyms and Abbreviations
- DS Service Overview



Terminology List

Term	Definition
AD (Active Directory)	Service that provides the means to manage the identities and relationships that make up network environments.
Destination store	The place to where DS Service puts the xml file extracted from Exchange Server. In this version of DS Service, Destination Store is Ftp Server, file server or ISS
DS Service (DSS)	DS Service is a software designed to collect data from Exchange Server and store it in a specific location as well as update data on Exchange Server when receiving request.
Exchange Connector	The system which can use the xml output from DSS. Digital signs assigned to those systems read the content of the XML files. In this case appointment content for multiple calendar accounts are stored in one XML
Group or distribution list	List of users joined together as one entity. Created in AD or on Exchange Server.
IIS (Internet Information Service)	A Web server with integrated, reliable, scalable, secure, and manageable capabilities available over an intranet, the Internet, or an extranet, and is a tool for creating a strong communications platform for dynamic network applications.
Microsoft .NET Framework	A set of Microsoft software technologies for connecting information, people, systems, and devices. It enables a high level of software integration through the use of Web services: small, discrete, building-block applications that connect to each other as well as to other, larger applications over the Internet.
Microsoft Exchange Server	Server software enabling you to send and receive electronic mail and other forms of interactive communication through computer networks.
UTC (Coordinated Universal Time)	Equivalent to mean solar time at the prime meridian, formerly expressed in GMT.

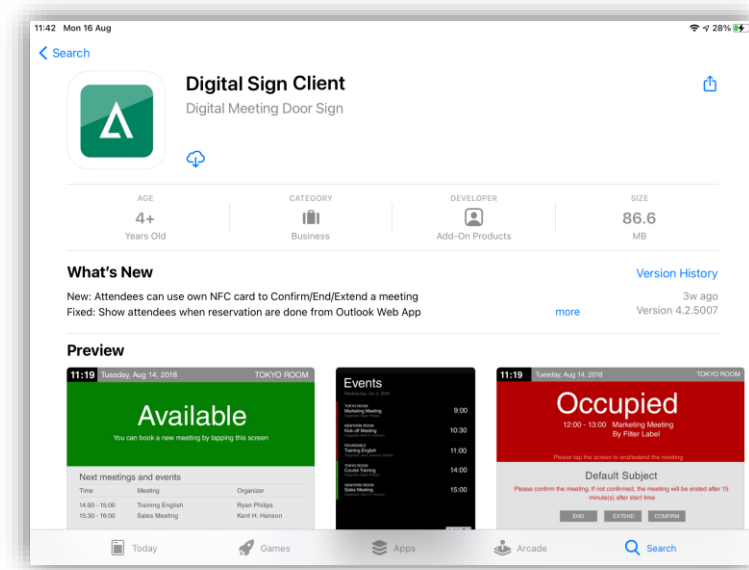
CHAPTER 2. Installation

Digital Sign Client is an application that can be installed directly from the Store of each platform (iOS, Android and Windows) or manually installed from a USB. Both installation methods will be described in the following sections.

Install Digital Sign Client from stores

iOS

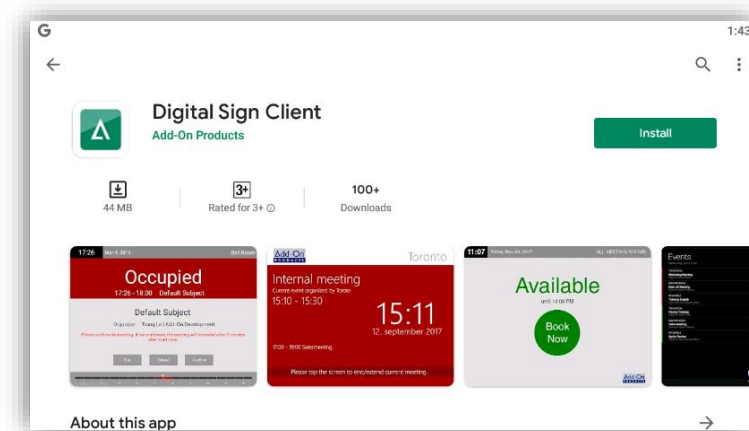
Open the App Store on your iPad, and search apps with keywords “Digital Sign Client”.



Click [**Get**] and wait for the installation to finish.

Android

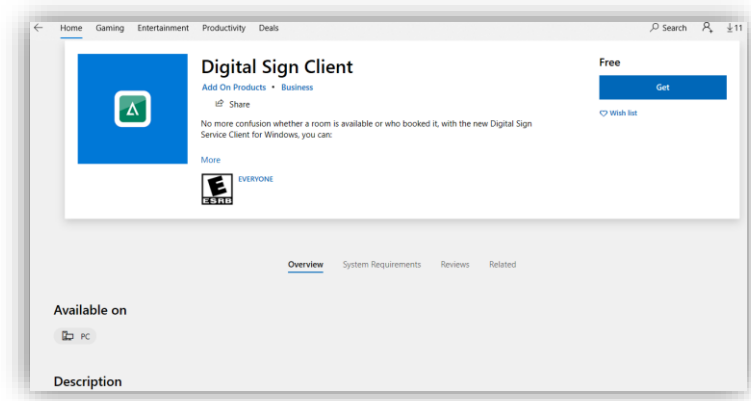
Go to Google Play and search apps with keywords “Digital Sign Client”.



Click [**Install**] and wait for the installation to finish.

Windows

Go to Microsoft Store and search apps with keywords “Digital Sign Client”.



Click [**Get**] and wait for the installation to finish

Install Digital Sign Client from USB

You can find more details about this method of installation via the following KBs:

[KB0247 - How to manually upgrade Digital Sign Client on Qbic Device](#)

[KB0248 - How to manually upgrade Digital Sign Client on Glorystar Device](#)

CHAPTER 3.

Post-installation configuration

This section describes how to make configuration on client side when Server is selected for “Configuration Managed By” option on DS Service. Please refer to **DS Service Administrator Guide** for more details.

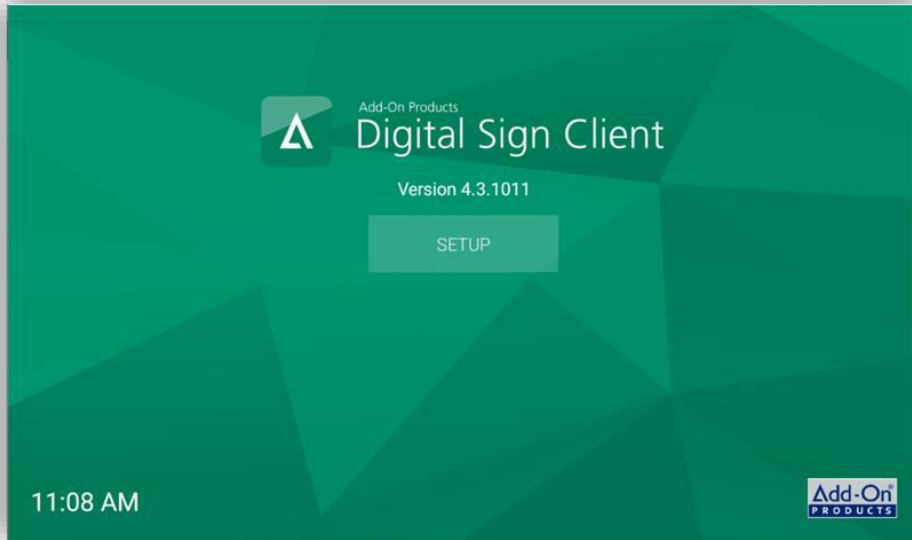


Figure 1. Digital Sign Client setup flash

After installation, you have to configure the Digital Sign Client by clicking **[Setup]** button on the initial flash screen as shown in the above figure. This opens “**Setting**” screen view:

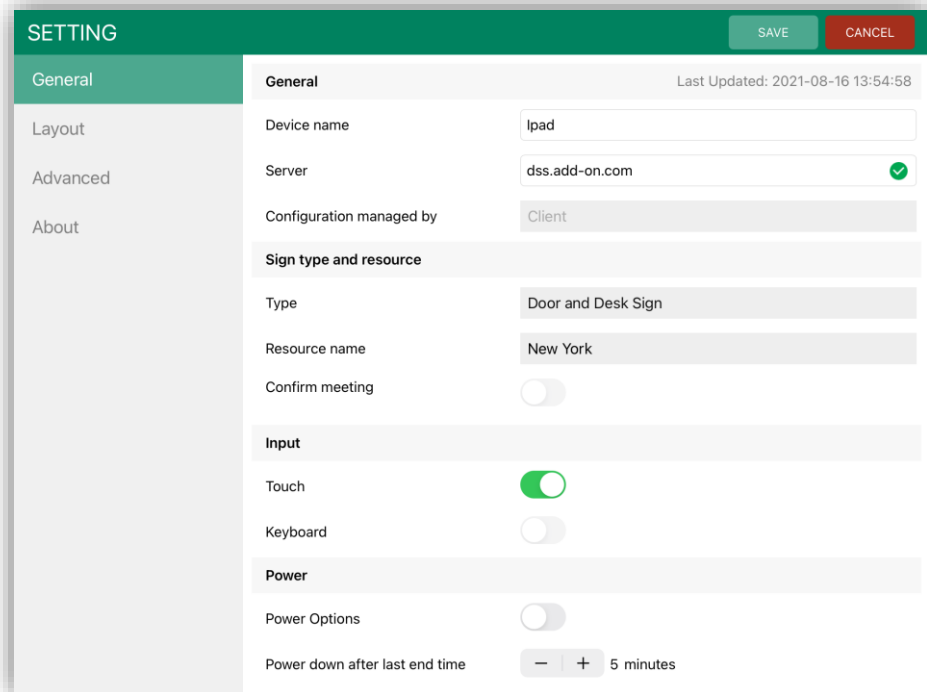


Figure 2. Setting screen view

In this screen view, you can enter URL to DS Service, click **[Save]** and the details are verified, and the following screen shows up:

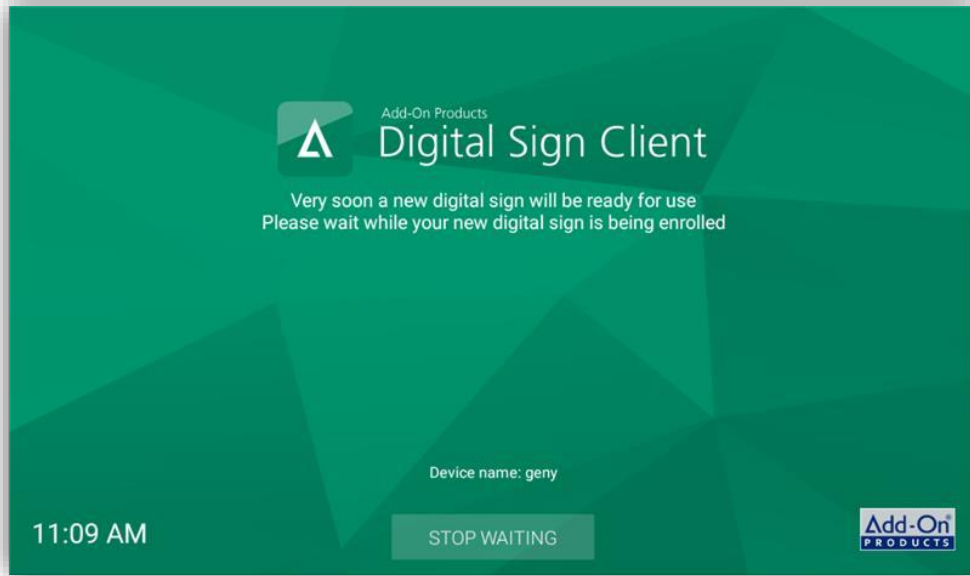


Figure 3. Waiting for approval

At this moment, Digital Sign Client app has to wait for the approval from server side.

CHAPTER 4.

Client side configuration

This section describes how to make configuration on client side when user is empowered/allowed to do this. For this purpose, the Client must be selected for “Configuration Managed By” on DS Service. Please refer to **DS Service Administrator Guide** for more details.

How to set up Digital Sign Client

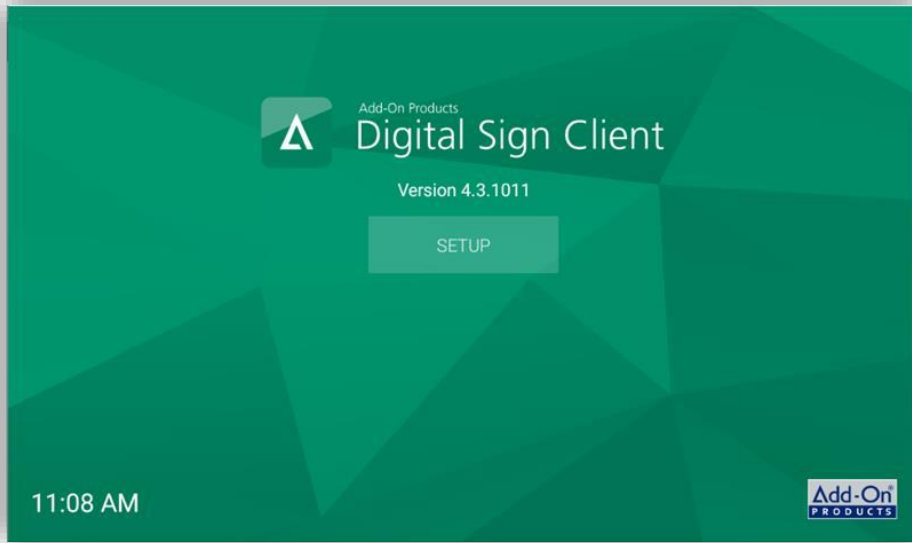


Figure 4. Digital Sign Client setup flash

After installation, you have to configure the Digital Sign Client by clicking **[Setup]** button on the initial flash screen as shown in the above figure. This opens “**Setting**” screen view:

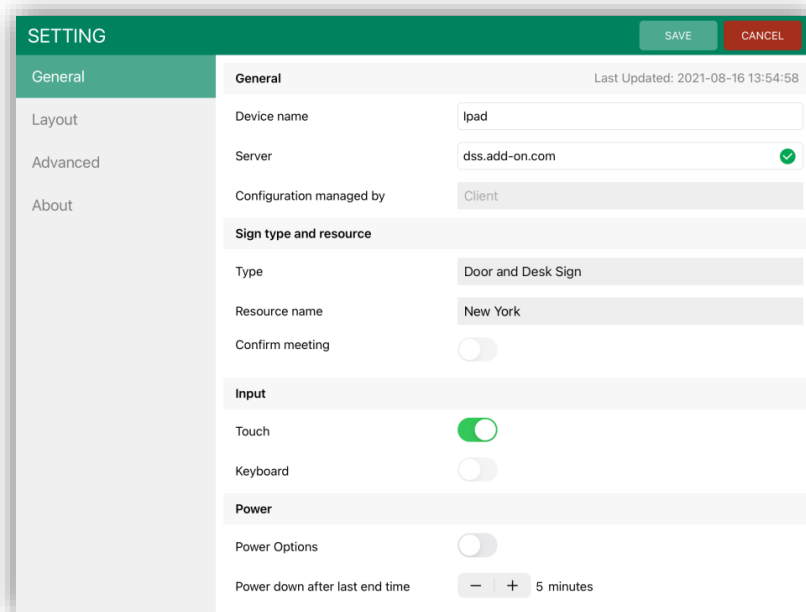
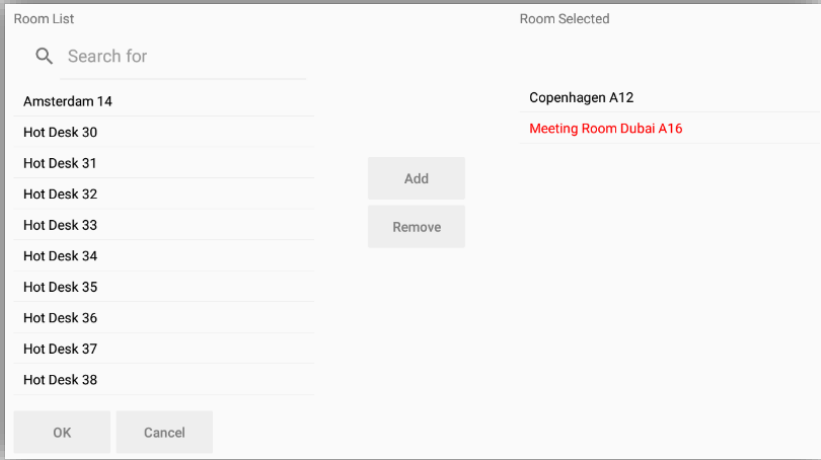


Figure 5. Setting screen view

In this screen view, you can make configuration for the operation of Digital Sign Client.

General	
General	
Device name	Name of this device NOTE: Device name is not unique but only use for human to identify where in company the device is located. If nothing is entered into the device name then the device ID will be used as the device name. It is highly recommended to give the device a name that indicate the location (e.g. "Meeting room Vista")
Server	URL of DS Service
Configuration managed by	NOTE: This field is only viewable. The selection displayed here is controlled on Server side. Client: The configuration is controlled on Client side Server: The configuration is controlled on Server side
Sign type and resource	
NOTE: Other configurations are only enabled if the client is set up to use "client configuration", otherwise it is controlled by the server.	
Sign Type (configure if the sign is a door sign or a Reservation Directory Sign)	Door Sign: Sign used for a specific room. - Door and Desk Sign: User can interact on the screen - Door and Desk Sign One-touch: User can book/end the instant meeting by one touch on the screen
	Reservation Directory Sign: Sign configured to show information for a number of DSS resources.
	Booking Kiosk: Sign configured to show floor plan of a resource.
Resource name	Select a resource from the list (for Door Sign) or select several specific resources to be displayed (for Reservation Directory Sign). You can employ buttons on the pop-up window to set up order for the rooms to be displayed: 
Confirm Meeting	NOTE: This option is only applicable for Door Sign . Enable this node to ask for meeting confirmation and adjust confirmation time. Refer to Confirm Meeting section for more details.

Information to show	<p>NOTE: This option is only applicable and visible for Reservation Directory Sign.</p> <p>Along with Resource name, this option allows you to filter resources for the content displayed on the meeting directory screen</p>
Group appointments by Room	<p>NOTE: This option is only applicable for Reservation Directory Sign.</p> <p>Enable this option if you want the appointments to be grouped by resources.</p>
Appointment sort order	<p>NOTE: This option is only applicable for Reservation Directory Sign.</p> <p>Use 2 buttons [Move Up] and [Move Down] to decide order of the appointment based on their details (Room name, Start time, Subject, etc.)</p>
Input	
<p>NOTE: This section is only available when you select Door and Desk Sign or Door and Desk Sign One-touch for Sign type.</p>	
Touch	Enabling this option allows touching the screen to book/confirm/end/extend meeting
Non-interactive	If this option is turned on, every action when you book/confirm/end/extend meeting on the screen is disabled.
Personal ID	If this option is turned on, when you book/confirm/end/extend meeting, there will be an authentication screen displayed, and you have to insert your personal ID to proceed.
Keyboard	If this option is turned on, when you book/confirm/end/extend meeting there will be an authentication screen displayed, asking for user name and password to proceed.
Card reader	<p>NOTE: This option is only enabled on Qbic and Glory Star devices.</p> <p>If this option is turned on, when you book/confirm/end/extend meeting there will be an authentication screen displayed, and you have to swipe your card at the [Home] button to proceed.</p> <p>Refer to “Card Information” for more details on how to register the card.</p>
<p>NOTE:</p> <ul style="list-style-type: none"> - If the above options are all enabled, the ‘Card reader’ will be prioritized. - If ‘Card reader’ option is disabled, and other options are enabled → the ‘Keyboard’ is prioritized. - If the above options are all disabled, you cannot book/confirm/end/extend meeting. 	
Layout	
<p>NOTE: This section is only applicable when Configuration is controlled on Client side.</p>	
Screen Template	
Filter Language	Select preferred language to be used in the screen interface
Filter Screen Size	Select preferred screen size to be used in the screen interface
Template (Width x Height)	You can select suitable screen resolution for the sign.
Background and logo image	
Background	<p>NOTE: This selection overrides design in the template file you select in ‘Template (Width x Height)’</p>



	<p>Select a background image to be displayed on the Digital Sign Client interface</p> <ul style="list-style-type: none"> - None: No background image - Photo Library: This option enables the [Browse] button and allows you to select background image from the client device. - From Server: The background image is established by Administrator in Digital Sign Manager. - From Template: The background image is established in the template file you select in 'Template (Width x Height)'. For more information on how to set up the background on template file, please refer to object BackgroundImage/property Source of the corresponding sign type in Digital Sign Client – Design Guide.
Logo	<p>NOTE: This selection overrides design in the template file you select in 'Template (Width x Height)'</p> <p>Select logo to be displayed on the Digital Sign Client interface:</p> <ul style="list-style-type: none"> - None: No background image - Photo Library: This option enables the [Browse] button and allows you to select background image from the client device. - From Template: The background image is established in the template file you select in 'Template (Width x Height)'. For more information on how to set up the logo on template file, please refer to object LogoImage/property Source of the corresponding sign type in Digital Sign Client – Design Guide.
Advanced	
Appointments	
Show as occupied	Select time interval before start time of an appointment from which the room will be considered "occupied".
Roll on offset	<p>Select time interval to establish display of the next meetings on the sign. This roll on offset interval takes current time as a benchmark.</p> <p>If the duration from current time to start time of next meeting is less than roll on offset value, the next meeting will be displayed, and vice versa.</p> <p>NOTE: Value in "Roll on offset" field should always be greater than value in "Treat meeting rooms as..." field.</p>
Booking time step	Default time interval for booking an appointment (e.g. If the value here is 15, the default appointment time will be 15:00, 15:15, 15:30, etc.)
Date / Time format	Select format for date / time
Update data every	Select time (seconds) for the data update cycle.
Advanced	
Config Password	Password to open Configuration screen
Log activity	<p>Select the level (None, Error or Verbose) that you want the application to apply for event logging.</p> <p>You can see logging data immediately by clicking [View] button.</p> <p>In the Logs panel, click [Email] to send log data to someone else and [Clear] to remove all logs.</p> <p>Click [Push to Server] button (its availability depends on the server you select) to send logs to server.</p>

Kiosk Mode	<p>If you turn on this mode, 3 on-screen buttons (Recent Apps, Home and Back) are disabled.</p> <p>NOTE: Kiosk Mode is only available on Qbic device (Android), other devices running Android, iOS or Windows do not have this mode. On these devices, the Kiosk mode must be handled by 3rd party application or by the operating system.</p>
Automatically app upgrade	<p>NOTE: This option is only available on Qbic devices.</p> <p>Enable this option so that the Digital Sign Client app will be automatically updated when a newer version is available.</p>
Remote restart	Click the button to restart Digital Sign Client App.
Card Information	
NOTE: This option is only enabled on Qbic and Glory Star devices.	
ID	Swipe your card at [Home] button to generate the ID
Email address & account name	Enter these details and then touch [Create] button, if you successfully register, you can use your card to swipe when book/confirm/end/extend meeting.
About	
Detailed information about Digital Sign Client application and the device	

Toolbar Buttons	Description
LOG FILE	View log file of the device
SCREENSHOT	View screenshot of the device at the moment
ACTION HISTORY	View a list of actions performed on the device.
HEARTBEAT PROPERTIES	View a status to show whether the device is offline or online, connected or disconnected.

Post installation checklist

After installation, if you want to make sure that Digital Sign Client will be running, the following checklist should be reviewed:

No.	Check list
1	Check DS Service URL: You can check this by opening this URL in a browser to see if it is alive. If it is not, there will be a Server Error warning.
2	Check if a room is selected: Remember to select a room for the meeting