EVOKO LISO
FAQ

What are the key updates for Liso vs. Room Manager?

Just like the Evoko Room Manager, Evoko Liso has been developed to take the hassle out of meeting room booking in a simple and stylish way. Liso is however substantially upgraded and has a lot more functionality.

Besides the obvious things such as a more modern design, better screen, faster processor and more memory we have added plenty of great and longed for features in Liso. The main updates are:

- **WiFi** connectivity as an alternative to Ethernet cable (PoE still available)
- **RFID/NFC and PIN** verification to restrict access and enable easy identification for instant bookings
- Intelligent GUI which through the help of a **proximity sensor** automatically adapts to in a clear way only show the most relevant information
- **Added booking capabilities** from the Liso unit. Thanks to our smart filters it is now easier than ever to directly from the Liso unit find a room that fits your needs (based on availability, proximity, size and equipment) and make either an instant or future booking for any room in included in the Liso installation.
- **Improved Multi-Site Management** to manage large installations and installations that cover multiple locations. Some of the features ensuring a smooth management are:
    - Evoko Home (the configuration and management tool) is available as a web-app to be accessed from anywhere and by multiple people
    - Permission control with different user levels; *Global Administrator*, *Local Administrator* and *User*
    - Improved monitoring function
    - Automatic import of room lists and users directly from the calendar service
    - Hierarchy systemization of rooms/groups and settings
    - Extended and improved Remote Upgrade functionality (more upgrade options, scheduled upgrades, selective room/group upgrades etc.)
- **Improved statistics** which also are available directly in Evoko Home
- **Stand-alone booking calendar** for those that does not have or want to connect to the supported email servers
- **Open API** to allow for integration with other systems to e.g. automatically turn on the AC 10 min before a meeting starts
- **Overview Screen** to clearly at the reception/entrance show which rooms are available and direct the guests to the correct meeting room
- **Cable routing in 5 directions** for a cleaner look and easier installation on glass walls
- **Faster synchronization** and support for **stronger encryption** levels

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How does it work?

Each Liso unit is connected to the network with either a RJ-45 cable or WiFi. The Liso units synchronize with a small application called Evoko Home that can be installed either on an on-premises server or a cloud based server. The Evoko Home application then use the native API of the existing email server to synchronize with the meeting room calendars that are set up on the company's own email server.

Evoko Home can also be used as a stand-alone booking solution where no connection to an email server is needed.

How is it mounted on the wall and connected to the network?

Evoko Liso can be mounted to both standard walls and glass walls. Mounting kits for both are included in the box and the cable can be routed to any of the four sides or into the wall. The wall mount has a bayonet mount to snap on the unit, which also can be secured with a screw.
- Standard wall: the wall mount is attached to the wall with four screws
- Glass wall: a white sticker (appr. The same size and shape as the unit) with an adhesive from 3M is attached to the glass. On the back of the wall mount there is another sticker that is attached to the glass sticker

There are three options to power the unit and give it a network connection:
1. Power over Ethernet (PoE)
2. WiFi + Power Supply*
3. Ethernet + Power Supply*

The Power Supply is not included in the box for environmental reasons (the majority of installations are made with PoE resulting in the Power Supplies being thrown away) but provided free of charge when requested

Connection details:
- Ethernet: LAN RJ-45, Ethernet 10/100 Mbit (compatible also with 1000 Mbit)
- PoE/PoE+:   IEEE 802.3af
- WiFi: 802.11 a/b/g/n
- DC Power: 12V DC by DC Jack

Do I have to install something on my server?

In order to get the full functionality of Evoko Liso, the small Evoko Home application will have to be installed on basically any existing Linux or Windows based machine (i.e. no new/dedicated server is needed and it can be either on-premises or cloud based). It is a simple installation process that doesn't require any programming and the Evoko Home application only takes up minimal resources from the machine it is running on and the network.

Evoko Liso can however be used without having Evoko Home installed on a server and instead running it in *Desktop mode*. Evoko Home is then installed on a PC/Mac computer and only used to configure the Liso units which then will connect directly to the email server (instead of connecting via Evoko Home). Please note that this will limit the functionality and e.g. Remote Management will not be available.

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Why have you chosen to start with a server application instead of the direct connection you've previously had with the Evoko Room Manager?

By adding Evoko Home we have found a way to keep the simplicity concept Evoko has become known for and also add a lot of new, great features. Thanks to Evoko Home, it will in fact become even easier to manage large installations.

Evoko Home only is a small application which takes up minimal resources from the machine it is running on and the network. It is a simple installation process that doesn't require any programming. For companies with smaller installations, Evoko Liso can still be used without any server application and instead using Evoko Home in Desktop mode.

By using Evoko Home we get extended Remote Management capabilities, multi-user admin through web login, better monitoring, automatic import of rooms and users, real-time two-way communication with the email server, and a single connection to the email server regardless of how many Liso units that are installed.

How do I make a booking?

There are several ways to book a meeting room. You can use
1. Your normal calendar program on your computer, e.g. MS Outlook, Lotus Notes or Google Calendar
    ➢ Book the same way as you alsways have and just add the room to your booking. Nothing new to learn, no annoying plug-ins and instant synchronization
2. Any smartphone/tablet calendar app that is connected to your email server
    ➢ Simply create a new appointment in your calendar and add the meeting room as an invitee
3. The Evoko Liso units
    ➢ Easily book and adjust today's meetings directly from the clock on the home screen or use the filtering funtion to make future bookings and to find the room that fit your exact needs
4. Evoko Home via web log-in
    ➢ Log-in to Evoko Home through any web browser to see an overview of all rooms' availability, search for rooms that fit your needs and make a booking

Can I use Evoko Liso with VPN and/or VLAN?

It should not be a problem as long as the system is set up so that http (port 80) or https (443) is allowed between Evoko Home and the calendar service using EWS for Exchange or another API endpoint depending on environment.

To enable Evoko Home to receive push notifications from the Exchange server the Exchange server must also be able to get direct access to Evoko Home, and access to an NTP server is required.

Between Evoko Home and the Evoko Liso devices your infrastructure and Evoko Home configuration need to be set up in a way so that the communication is unobstructed on the port configured.

The infrastructure cannot depend on third party software on the Evoko Liso device, as it is not supported.

What kind of permissions can I set and how does the PIN/RFID work?
First of all, three different user types can be created:
1. Global Administrator
2. Local Administrator
3. User

There is no limit as to how many of each type that can be created and their permissions vary.
- *Global amdinistrators* can manage everything with the installation. This includes setting up new admins/users, managing the connection with the email server, and changing global as well as local settings. In a small organization this will typically only be one person but in a larger organization it can be several people at different locations. Normally it is someone withing central IT.
- *Local administrators* can only manage the settings for the group they have been given permission to administrate. Depending on the permissions given, they can e.g. set-up new rooms in their group, change settings for the rooms in their group, monitor the rooms in their group and look at the statistics for the rooms in their group. In a large organization it will typically be 1-2 people per location that have this role and are responsible for that local installation (can bi IT but just as well someone from the facility management side or general admin).
- Most employees will be regular *Users*. They can't change any settings and the reason they are set up as users is so that they can log-in to Evoko Home to book rooms, and so that they can use RFID/PIN to identify themselves at the units.

Each room can be configured to have RFID and/or PIN-code feature activated. There are two reasons to activate RFID/PIN:
1. To enable easy identification for bookings to know who has made the instant or future booking from the Liso unit
2. To restrict features based on the user, e.g.
    a. Only allow certain users/groups to book certain rooms (like executive rooms)
    b. Only allow the person that has made the booking to change it (start/stop time or cancelling the meeting)
    c. Only allow the person that booked the meeting to confirm it
    d. Allow certain users/groups to override other peoples bookings

Can I use my old Room Managers together with Liso?
The Evoko Room Managers and Evoko Lisos will always be able to co-exist in the same environment. Initially, they will however have to be managed separately, where the Room Managers are managed through the Evoko Control Panel and the Lisos are managed through Evoko Home.

In our short-term roadmap we have planned to as a first step make it possible to manage also the Room Managers through Evoko Home, and as a second step to integrate more of the Evoko Home functionality also for the Room Managers. The extended features that are available on the Evoko Liso units will however never be available on the Room Manager units.

What Operating System does Evoko Liso use?
Evoko Liso has a custom made OS based on the latest Linux kernel.

How does the Open API work?

By providing an open and documented API we can allow third party integrations with other Calendar Services, authentication systems and other applications. The functions initially provided will be:

- Get/Set resource details
- Get/Set meeting details
- Get/Set authentication details
- Get/Set check-in status

The open API will then be expanded based a lot on what kind of functionality our customers' request. We currently have two such ongoing project and are happy to welcome a few more if you have a candidate for such a project.

From a technical stand point we can quite easily provide in depth integration if needed. It is almost as easy for us to open up any of the functions for integration. Our platform is at large based on the full stack framework of Meteor (www.meteor.com).

To communicate with Evoko Home directly (and the Evoko Liso devices indirectly) third party integrators will use the existing "publish" and "subscribe" API structure of Meteor: https://docs.meteor.com/api/pubsub.html

So in the near future we will provide some documentation of the exact method names you can use to integrate. As earlier stated it will be basic meeting data to begin with – but we welcome other requirements also and we are currently looking into some more in depth integration in other projects.

If you want to do some preparations for the integration, we have set up a test server with a basic test method that you can use to test building a "publish/subscribe" based integration.

1 DDP method
1.1 Overview
Method name: testDDPMethod
Parameters: JSON Object that contains some data.
Return value: Response object if success, throws an error if fail.
Description: This method is used to test ddp communication between Meteor and non Meteor application.
1.2 Parameter format
Parameter must be a JSON object.
1.3 Return value
If the request was successful, the method will return a JSON response object with three attributes: type, message and body. Type is a String with
the value of "success", the response message is "Data is inserted successfully.", and the response body is a document that is created in the
database. In case that the parameter is null, the method will throw a Meteor exception.
Meteor exception object has two attributes: error and reason.
2 Subscription to a collection
2.1 Overview
Data from published collections can be read in Meteor by subscribing to that collection on the client, whereas the collections are published on the
server.

The method for testing the DDP communication saves data in the 'TestDDP' collection. In Meteor, the code that subscribes the client to the 'TestDDP' collection is:
Meteor.subscribe('testddp');
In the case when Meteor is not used, "Meteor.subscribe" should be omitted. The only piece of information that is relevant in that case is the name of the subscription, which is "testddp".
In short, after an established connection with the service, a subscription should be done as stated above. No further steps should be necessary.
2.2 Connection details
A deployed version of the current application with the included method for testing the DDP communication can be found at the following location:
http://31.192.228.56:8085

Can I change the colors / add the company logo / use it for digital signage?
No. Evoko Liso has been developed to take the hassle out of meeting room booking and provide companies with valuable statistics to increase their efficiency optimize their resources. It is not a digital signage player and we have put a lot of effort into ensuring we have a product that both looks good (where hardware and software work together) and is easy to use since this is key for the users to successfully adopt a new technology.

Changing colors, adding logos or digital signage messages just doesn't look good and becomes a distraction from the core problem – taking the hassle out of meeting room booking. Talking to several brand managers and experts we have also learned that internal over-exposure of the company logo can have negative effects. There are much better ways to show the company logo (e.g. at the entrance/reception) than outside of each meeting room and hopefully you'll already know which company you're at once you are standing outside of the meeting room…

Where are they made?
The Evoko Liso has been developed and designed in Sweden (which is where the company is from) and they are manufactured in Taiwan. We keep local stock in Sweden, the US and the UAE.

Will Evoko Liso replace the current version of the Room Manager?
Yes, when Liso is ready to ship it will replace the Room Manager.

Does Evoko offer a trade in program where I can get a discount for my old Room Managers when replacing them with Evoko Liso?
Unfortunately, Evoko does not have the possibility to offer a trade in program at this stage.

I just purchased Evoko Room Managers but now saw that you have released Evoko Liso which I'd like instead. Can I replace my (unopened) Room Managers for Liso?
Evoko does not offer to exchange delivered Room Managers for Liso. Just like any hardware company (it doesn't matter if it is Apple, Samsung or Mercedes) there will unfortunately always be times when someone just purchased a product and a new generation is released. It is a difficult balance as when to release information about upcoming releases, and for Evoko Liso we made information public about two months before the product is ready to ship. Before that the feature spec and shipping dates were simply too uncertain for us to release it to the market. This means that we already have to manage two months without sales while people wait for Liso and it would be impossible for us to also afford to replace already purchased units.

I just <u>ordered</u> Evoko Room Managers but now saw that you have released Evoko Liso which I'd like instead. Can I change my Room Manager order for Liso instead?
Yes, if the units haven't shipped yet we can change it for Liso instead. Please however note that this might affect the delivery date.

Will there be any discounts or end of life pricing on the Evoko Room Manager?
No.