

DisplayNote Launcher

# Support and user guide

03 September 2019

# Getting Launcher

## Launcher receiver

Launcher receiver for Windows 10 OS (Xamarin UWP) is the central piece of software for the Launcher solution. A demo can be arranged via our website at [displaynote.com/contact](https://displaynote.com/contact) or by emailing us directly at [info@displaynote.com](mailto:info@displaynote.com).

### Recommended specification

- I5 4th generation, 8GB RAM, Intel HD Graphics 4000 or above, resolution 1080p \*pc spec is dependent on external applications
- Operating system: Windows 10 version 1803 (10.0 Build 17134)
- Network configuration: Ethernet or WI-FI
- Network conditions: 1Mbps
- Bluetooth 4.0 - Bluetooth Low Energy protocol capability (optional)

### Network Requirements

Launcher receiver requires TCP ports 80, 443 and 5671 to be open.

## Launcher client app

The Launcher iOS and Android client apps provide users with the ability to connect to nearby Launcher receivers, for the purposes of turning the meeting room display into a more personal device.

### Operating system support:

- iOS client app: iOS 12.1
- Android client app: Android 4.4

### Downloads

- iOS app available from the iTunes App store: [App store download](#)
- Android app available on the Play store: [Play store download](#)

# Setting up Launcher

## Launcher receiver

### Installation

Launcher receiver can be installed on any device running on the recommended Windows OS. To install, please follow the instructions below:

1. Double-click the program installer and follow on-screen instructions to complete the installation.
2. Once the program is installed, please follow the instructions to allow file access. This is required in order to use the application.
3. You will be asked to enter a license key when the application is launched for the first time.
4. DN Launcher is ready to be setup (see below).

### First time setup

Once Launcher is installed and activated successfully, the setup process provides a guide for the receiver configuration, as follows:

**Room calendar:** You are given the option to add an MS Exchange room calendar. If this option is enabled, you will be asked to provide the MS Exchange delegate email and password, along with the mailbox email.

**Skype for business:** You are given the option to pair the room account with Skype for business application. Please note the account to be paired must have a Skype license associated in Office 365.

**Room details:** You are now prompted to provide information to help identify the room: Room name, organisation and location.

**PIN security:** You will be prompted to enter a four-digit PIN that will lock the application settings.

## Homescreen user interface

When the first-time setup is complete, you will be presented with the homescreen user interface, which will include the following:

- **Room details:** Room name, location and organisation.
- **Date and time:** Display the current date and time.
- **App grid:** Apps that can be launched via Launcher receiver.
- **Calendar:** This only appears when the MS Exchange calendar has been setup. Meeting room items will be shown here.
- **Clear now:** Option to clear all personal data and close all open applications.
- **Settings:** PIN-locked admin settings can be accessed from the homescreen.
- **Device settings:** The device's volume, input and output device selection, and onscreen keyboard.
- **Sign in:** This section provides information for users to sign into the application using the Launcher mobile app. Note that when the user signs out, temporary data will be cleared and applications will be closed.

# Understanding Settings

PIN-locked admin settings provide access to the following functionality:

- General
- Room calendar
- Skype for Business
- Apps
- Settings PIN
- License information
- Updates

## General

Users can change the Room Name and Location on the device. Kiosk mode can be switched on and off.

Kiosk mode is a feature that, when enabled, will automatically launch the Launcher receiver when the Windows device is turned on. When Kiosk mode is turned on, the Launcher receiver will be displayed in full screen, with Windows keyboard shortcuts and touch gestures disabled.

Windows settings can also be accessed from here.

## Room Calendar

User have the option to turn the Exchange room calendar feature on and off. From the settings, you will also have the option to edit/remove the existing calendar configured on the device.

The MS Exchange room calendar must be enabled and configured in order to display the room calendar on the homescreen.

This can be achieved by providing the MS Exchange delegate email and password, along with the mailbox email. An auto-discover option is

available for the purposes of checking that the delegate email and password are correct.

The shared mailbox is the mailbox for the device, which will be used for the purposes of booking meetings via MS Exchange services.

Note: A shared mailbox for this device must be created. Please see the following Microsoft documentation: [Create a shared mailbox](#)

## **Skype for Business**

Users will be able to pair a room account with Skype of business by entering the correct password for your shared mailbox account. Note that the 365 account must be assigned an active Skype for Business licence.

## **Apps**

Launcher receiver can display any number of applications on the home screen app grid, which can be managed from the settings.

**Add apps:** Apps can be added via the Launcher receiver by browsing the computer to find .exe application or via the Windows store. Users can add multiple apps at once.

**Remove apps:** Users can remove apps by interacting with the remove shortcut option from the list of apps.

## **Settings PIN**

The Launcher application is locked by a 4-digit pin, this ensures only authorised personnel can make changes to the setup of the Launcher application. Users can change the PIN from this screen by entering the existing PIN then the new PIN to be used.

## **License Information**

From here users can view the license key associated with the device. Users can also change the organisation name and contact details.

## **Updates**

Users can verify the current version and any software updates which may be available over the air.

## **Launching calls**

Users can launch Skype for Business and MS Teams calls from the room calendar on the client app.

Users can interact with the room calendar meetings by touching the appropriate meeting. When activated Launcher will look for the app, if it is installed then it will open, and the call will begin. If the app is not installed users will be taken to the application web page to install the app or run from the web page.

### **Skype for business**

When a Skype for Business meeting is available, users are shown an option to initiate the meeting from the room calendar or client app. Skype for business will automatically launch on the receiver, and the call will be initiated.

### **Microsoft Teams**

When a MS Teams meeting is available, users are shown an option to initiate the meeting from the room calendar or client app. MS Teams will automatically launch on the receiver when it is installed, and the call will be initiated if a room account is signed into MS Teams.

If MS Teams is not installed, the Launcher receiver will open the MS Teams meeting link via a web browser.

## Outlook – one touch join

Users will be able to send a meeting invitation directly to the room calendar, enabling a one touch experience to start a call.

The steps below should be followed to add a meeting to the room calendar. Outlook addins for online meetings should be pre-installed before creating a meeting.

### Teams meeting

- Login to Outlook in your browser and open the calendar view.
- Create a new meeting for the date and time, adding participants and enabling Teams meeting.
- Add the room account to the location.
- Send the meeting invite.
- Open the meeting and select edit.
- Copy the URL link address.
- Paste the URL link into meeting location, alongside the room account.
- Send the meeting invite.

### GotoMeeting

- Login to Outlook in your browser and open the calendar view.
- Create a new meeting for the date and time, adding participants.
- Add the room account to the location.
- Using the GotoMeeting addin, select the option: “Generate a new meeting” to add a meeting URL to the invitation.
- Copy the URL from the link in the invitation.
- Paste the URL into meeting location, alongside the room account.
- Send the meeting invite.



## Zoom

- Login to Outlook in your browser and open the calendar view.
- Create a new meeting for the date and time, adding participants.
- Add the room account to the location.
- Using the Zoom addin, generate a new meeting.
- Send the meeting invite.

## Blue Jeans

- Login to Outlook in your browser and open the calendar view.
- Create a new meeting for the date and time, adding participants.
- Add the room account to the location.
- Using the BlueJeans addin, create a meeting.
- Copy the meeting URL into the meeting location.
- Send the meeting invite.

# Launcher client app

## First time setup

Once the Launcher client app is installed successfully, the setup process involves enabling location services for proximity detection (iOS) and entering MS 365 account details for authentication with the Launcher receiver.

## Location services (iOS)

The recommended option is 'Always allow', which will discover devices even when app is not running, or when the iOS device is locked. When 'Always allow' is enabled, a notification will appear for each device discovered.

The option to allow location services 'Only while using the app' will only discover devices while the app is running in foreground sending to background the app will be managed as a moved away device.

## Microsoft 365 authentication

Launcher client app users are required to enter their MS 365 credentials in order to use the application. This is achieved through a simple form on the app's interface.

Once the authentication is complete, Launcher mobile app users will have access to the client app main functionality, which includes viewing the MS 365 account calendar.

## Manual sign in

Users can sign into the Launcher app on the display by interacting with the Sign in option and entering their Microsoft credentials.

## Connect to Launcher receivers

**Proximity detection (iOS):** Find and connect directly to Launcher receivers by selecting a device from a list or nearby receivers.

**QR scan:** An option to scan a QR code is available from the client app. A unique QR code is shown on every Launcher receivers' homescreen.

**Session ID:** Option on the client app allowing users to enter a six-digit ID, which is displayed on the Launcher receiver.

## Disconnect from Launcher receivers

There are several methods for disconnecting Launcher client apps from the receiver, all of which will clear the cache on the Launcher receiver.

Disconnection methods outlined below:

**Manual disconnect:** Option available on the mobile app and on the receiver to manually disconnect.

**Timeout disconnect:** After two minutes, the client app will automatically disconnect from the Launcher receiver.

**Proximity disconnect (iOS):** Users will be disconnected upon reaching a certain distance between the Launcher client app and Launcher receiver. The distance is dependent on the devices' Bluetooth signal strengths.