Professional Tablet

How to test RFID Compatibility
Document version 1.1

Overview

This document will explain how to test the compatibility of Book for TEOS RFID reader with the card and with Manage for TEOS.

Requirements

- Tablet compatible with TEB-RFID
- A USB with NFC Reader
- USB and SD must be formatted in FAT32 and have at least 300MB of space
- If the USB/SD method doesn't work, you can use the USB Burn from PC method
- For the USB Burn the PC need to be admin rights

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1. Tablets details
Tablet reference table for tablets currently available

All firmware of tablets can be found under https://bit.ly/sonypsetech under TEOS - Corporate Solutions >> 5 - Tablet for TEOS >> Firmwares

Prodvx tablets can be purchased with our partner AAV Hardware: https://aavhardware.com/

Brand	Model name	Android platform
Prodvx	APPC-7XPLN	7" tablet, Android 9 with NFC with led
	APPC-10XPLN	10" tablet, Android 9 with NFC with led
	APPC-10SLBN	10" tablet, Android 9 with NFC with led
	APPC-10SLBe	10" tablet, Android 11 AOSP with led
	APPC-15XP	15" tablet, Android 9
	APPC-22XP	22" tablet, Android 9
QBIC	TD-0350	3.5" tablet, Android 7 with led
	TD-1060	10" tablet, Android 10 with led
	TD-1050 Pro	10" tablet, Android 10 with led
	TD-1070	10" tablet, Android 11 with NFC and led
Yealink	RoomPanel	10" tablet, Android 9 with led
IAdea	WRP-1000-L	10" tablet, Android 9 with led
Philips	10BDL4551T/00	10" tablet, Android 8 with led
	24BDL4551T/00	24" tablet, Android 8
Innes	Qeedji TAB10s	10" tablet, Android 9

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1.1. Example of RFID connection

RFID Is an accessory that Is purchase Independently from the Tablets. RFID package Is arriving with 2 screws and you have the possibility to fix in 3 sides of the tablet as shown below.

TEB-RFID card RFID card reader portrait with TEB-RFID   TEB-10DSQPL in landscape with TEB-RFID   TEB-10SLB in

2. Configure your tablet with TEOS

2.1. Check & Install TEOS apps and NFC reader

For Manage for TEOS being able to control the tablet and send content, two apps need to be Installed:

- TEOS Android Player (App to show the content)
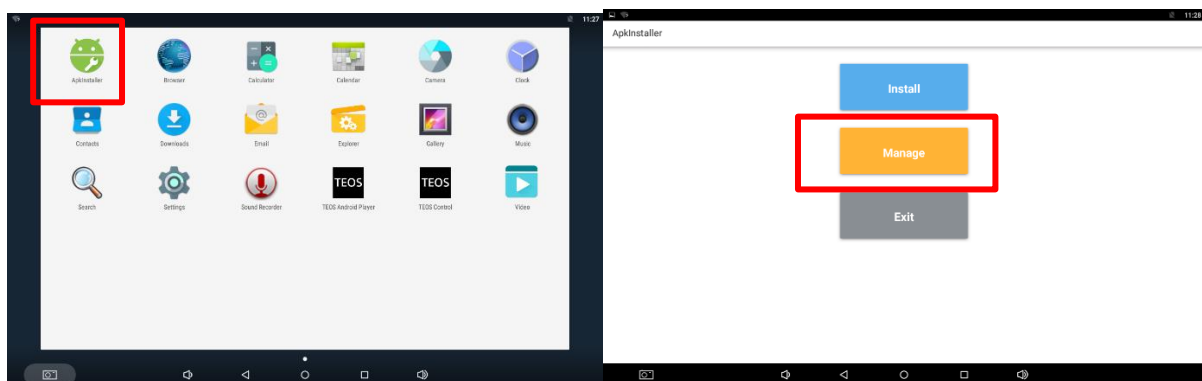- Control for TEOS (app use to receive commands from TEOS and transcode to Android)

To test your RFID reader, you can use the app **RFID reader** that you can find in this link.
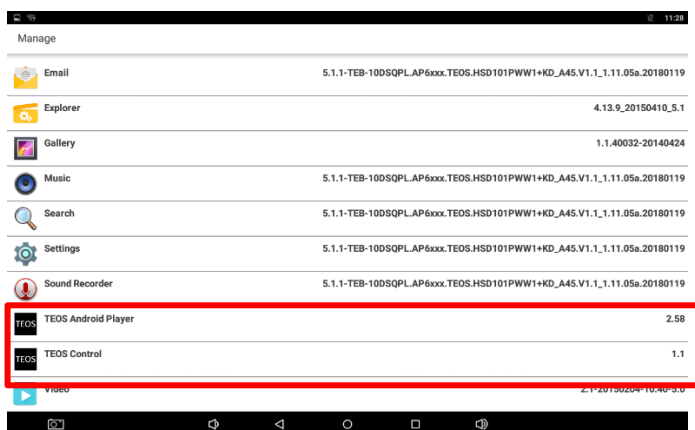
2.1.1. From tablet Interface

3. Check the applications **TEOS Android Player** and **Control for TEOS** are installed:

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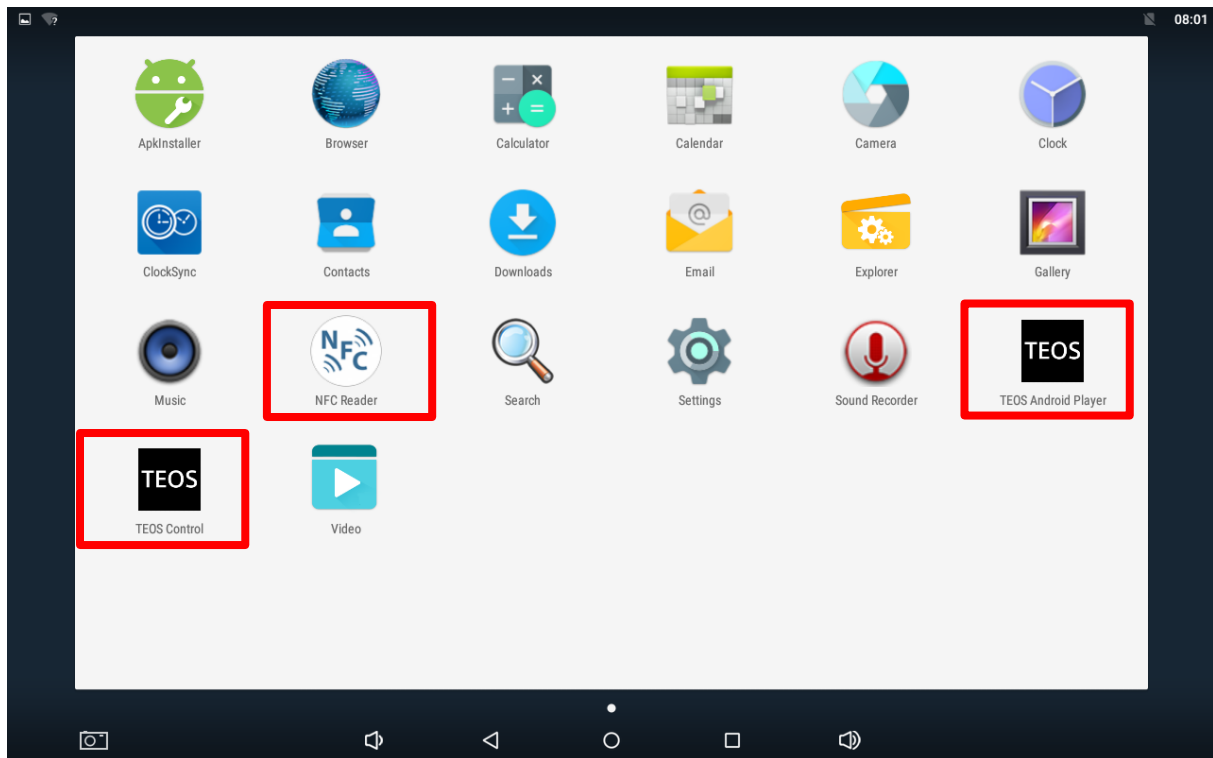
4. Check the version: click Apkinstaller and after Manage

5. Check if it is the latest of TEOS Apps in Manage for TEOS release note.

1. If this is the latest version Is not Installed, insert you USB stick with both TEOS apk and go back to Install. Click on USB memory and the 2 apps on the USB stick should be visible. Install them by clicking on them and follow the installation procedure.
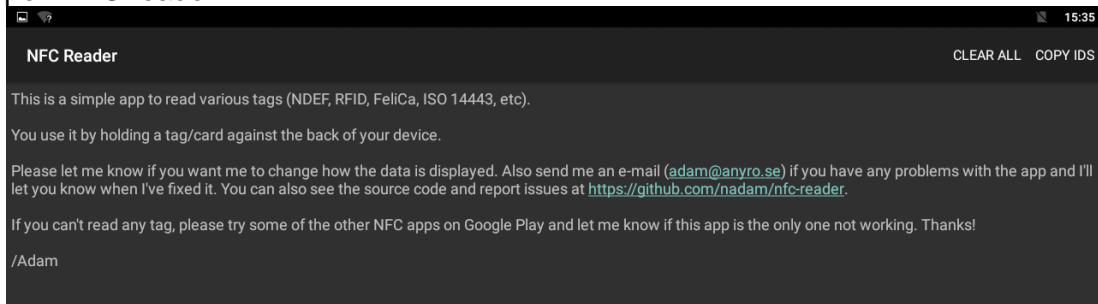
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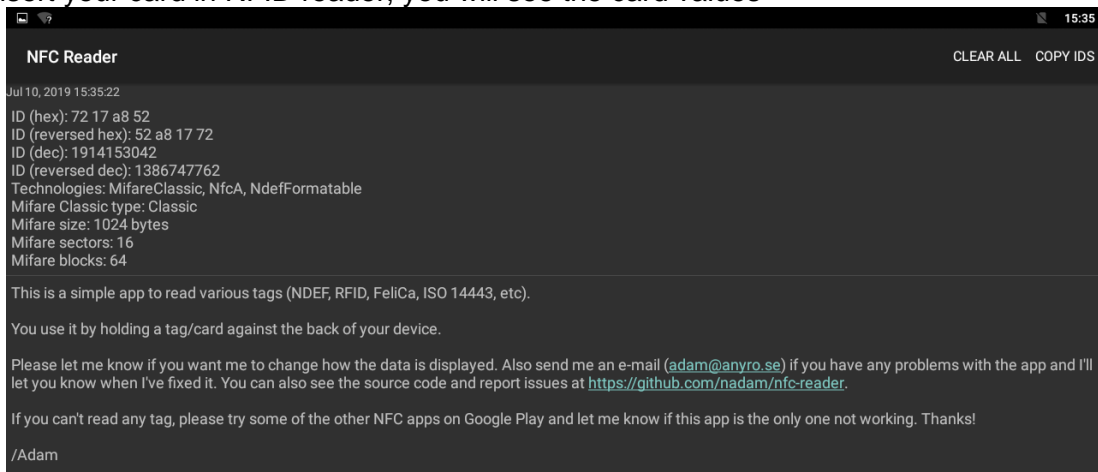**2. Install NFC ready app as well If It Is not done**
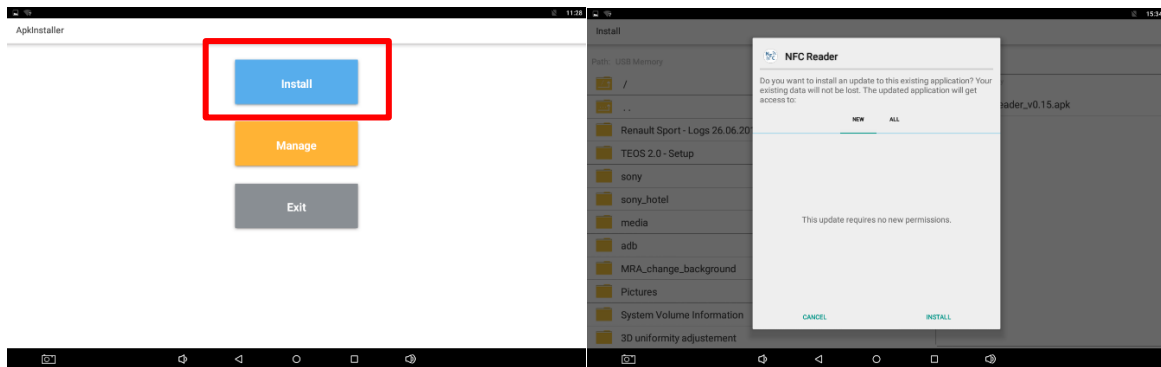
When you have Installed both apps and they are up to date, you can remove the USB stick.

2.2.   Check your card with NFC Reader app

1. Open NFC reader

2. Insert your card in RFID reader, you will see the card values

Take the ID (dec) information and insert it into the user account into TEOS.
For that go to Administration> Users Management. You can add a user using Active Directory or manually. Using manually, just click on "add user", fill the Information Including **the ID (dec) number**

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3. Tablets final configuration with TEOS

To finalize the Installation of the tablet we recommend adding It into TEOS and send content Into It.

First, make sure that network tablet Is configured.

1) check that network port from TEOS Server to the tablet are open:

Outgoing to server
- TCP -Port 80 (Web server)
- TCP -Port 443 (Web server)
- UDP –Port 123 (NTP)
- TCP –5555

Incoming from server
- Type 8 and 0 (icmp ping for auto discovery)
- TCP –6541 (TEOS Player Signage app)
- TCP –5541 (Control for TEOS)
- TCP –5555

The tablet needs to be able to contact TEOS Server using DNS approach, please make sure that the tablet Is able to resolve your TEOS domain name
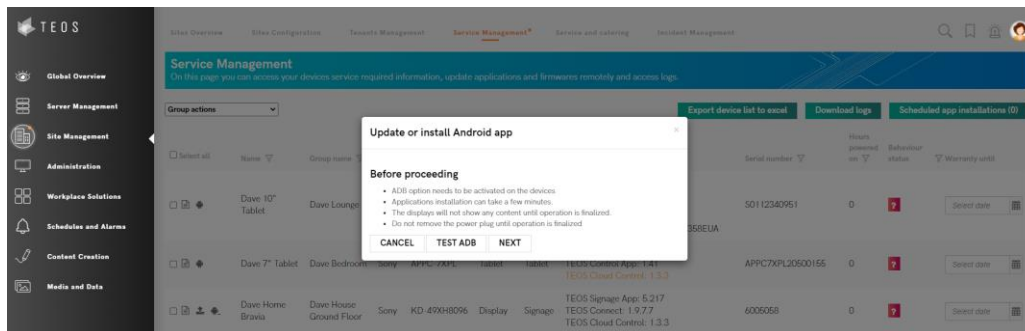
3.1.   Add a Tablet into TEOS

This section explains how to add a tablet into TEOS and use it with the different add-ons.

When using TEOS on premise

Go to Manage for TEOS Interface > Administration > Device management. You have different methods to add devices: from an excel Import, from auto discovery option or adding It manually. We will add in this case manually a new device, for that press on "add device"

    a) Insert the room or device name
    b) Select "display" as device type
    c) Select Sony as device brand
    d) Model will be automatically field
    e) Insert the IP address of the device
    f) Select the license type
    g) Add the device into a device group (create before a group in site configuration)
    h) Press **save**

Make sure your device is linked to the device group (meeting room type).

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Note: If the device Is not reachable via network, or you don't have license for It, you will get a message on top of this tab. If the device Is connected and the configuration done, you must be able to see It in green in both power status and behavior status.

By pressing to the virtual remote, TEOS will do a first adb request to your device. **Device will after ask to allow the connection (debugging), for a security measure** which needs to be done when the ADB connection is setup for the first time, you need to authorize the RSA key from the TEOS server, once this is accepted and saved into the local configuration file the connection can be setup at any time when the display is online.
You will have to accept the connection by Manage for TEOS to be able to see the snapshot from the screen.

Edit   Delete   <mark>Execute command</mark>   Update screen

When trying to install a new App in TEOS via Site Management > Service management, and in the device press test ADB, TEOS is doing the same request to the device.

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When using TEOS on Cloud (from version 3.0)

Go to your Manage for **TEOS CLOUD Interface** > Administration > Device management. We will add in this case manually a device to the cloud, for that press on the drop-down button on "Connecting cloud-controlled devices" to see the password **automatically regenerated every 1 hour** to insert in the device
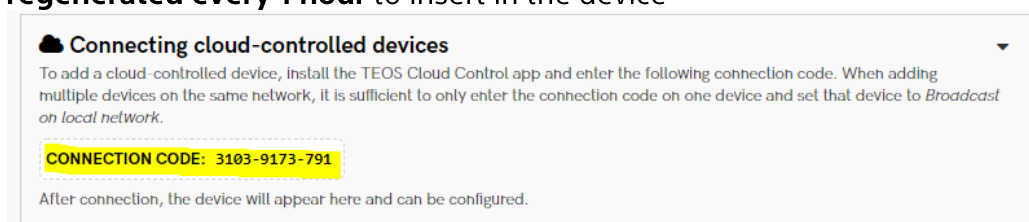

Now from the device, make sure it is connected to the internet. Open the app Cloud Control for TEOS (version 1.4.2 minimum) and insert the password, press connect.
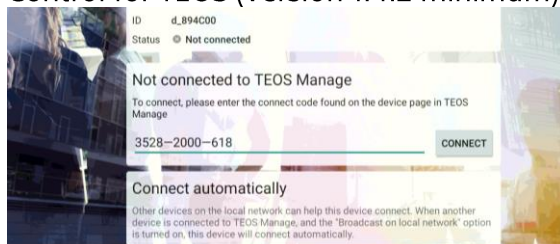
The device will then connect automatically to your cloud account without any additional action.
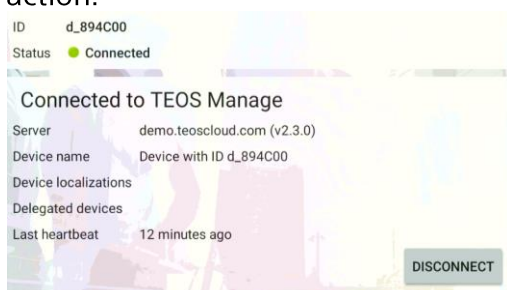

The ID shown in the device will appear in the AV device list after a refresh of the page and will be shown and this end of it.
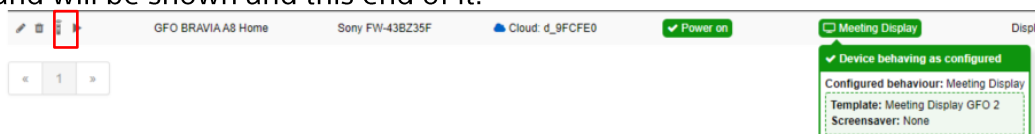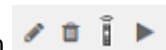

You can then setup it by clicking on the edit button:

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i) Insert the room or device name
j) Select "tablet" as device type
k) Select Sony as device brand
l) Model will be automatically field
m) Select the license type
n) Add the device into a device group (create before a group in site configuration)
o) Press **save**
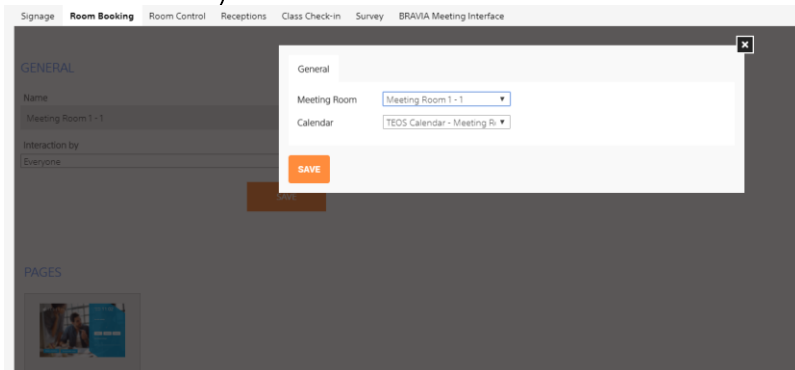
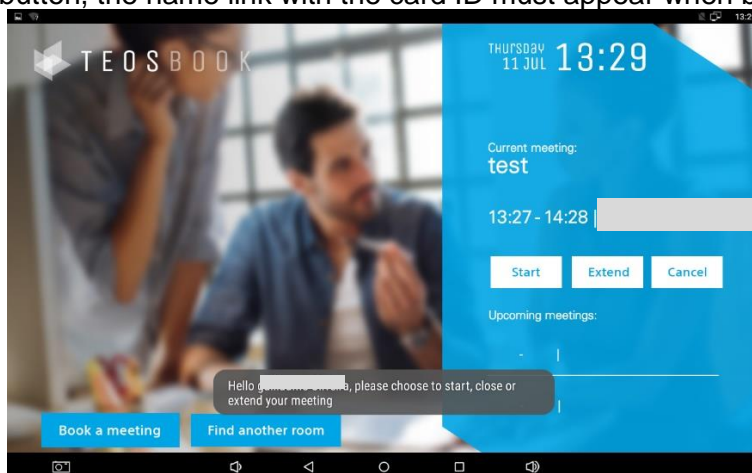Go to Administration> Device management and push on **update screen** button .
The tablet should close and open again TEOS Android App with the Survey Interface
When the tablet displays your Room booking template, you can start to test your Card.
1. To check If the tablet Is expecting an RFID card, just press on one of the buttons, It should show
"Please scan your RFID tag to create a meeting"
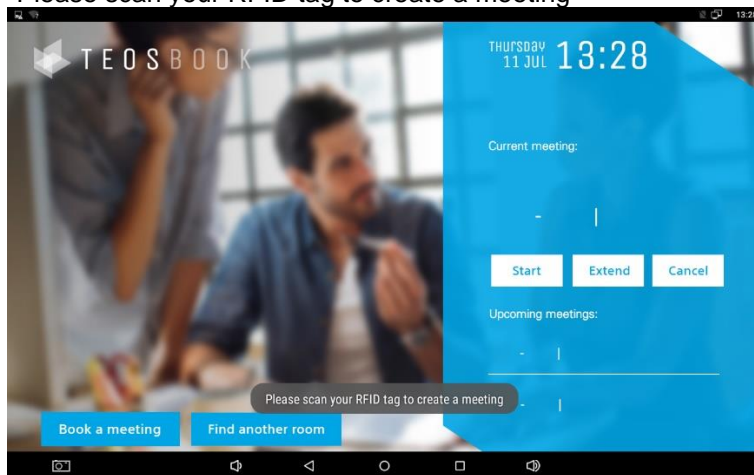
2. Insert your RFID card, the tablet will ask you to push a button. Push the "book a meeting"
button, the name link with the card ID must appear when booking

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https://teos.solutions

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