

M-Tag Admin App User Guide Ver1.0

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1. Overview

The M-Tag Admin App allows you to register the M-Tags, add and update settings for the M-Tag, and unregister M-Tags.

2. Log in to M-Tag Admin App

Pre-Requisite

- You should have a valid **Company Code**.
- Your device **Bluetooth** should be turned on.
- You should have the **User name** and **Password** to sign in the app.

Note: User name and Password is same as your Tenant Admin Portal.

- 1. Go to App Store and download M-Tag Admin App.
- 2. Install the application and upon successful installation, open the app.
- 3. Enter **Company Code** in the **Verify to Continue** screen to log into the app and click **Apply**.

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Verif to Co	y ontinue	\bigcirc
Please en your orga	ter Company Code p nization through the	rovided by Invite Email
Enter	Company Code	
	Apply	
	Passwords	
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a s	d f g h	jkl
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123	space	done
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The tenant is listed in the screen under **Available Accounts**.

7:20	🕈 🖸
Verify	
to Continue	
Please enter Company Coo your organization through	de provided by the Invite Email
qa	
Apply	
Available accounts	
Quality Assurance T qa	Starter >
<mark>oloid</mark> qa	

4. Tap on the **Tenant** and click **Apply.**

9:41	∎ ≎ In.
Verify to Continue	0
Please enter Company Code p your organization through the I	rovided by Invite Email
D340CD	
Apply Available accounts	
Acme House	>
Flextronics Flexna	>

The Sign in page is displayed.

5. Enter your registered email id and click Next.



6. Enter **Password** and click **Login**.



The Welcome screen pops-up followed by M-Tag list screen. The M-tag screen displays the MAC lds of the available M-Tags.

7:23	🕈 🕞
M-Tags	
Un-Registered M-Tag CCCE8A2B549E Services: Device Information 	8
Registered ation 6e39 Services: Device Information 	8
	•
Access Credentials	Profile

3. Register M-Tag

Prerequisite:

- Your device Bluetooth is turned on.
- You are near the M-Tag to be registered so that M-Tag Admin app can detect the device MAC Id.
- 1. Launch the **M-Tag Admin** App.
- 2. Log in to the App.

The M-Tag screen is displayed with the list MAC Ids of the available M-Tags.

3. Select the **M-Tag** to register.



The **M-Tag** detail screen is displayed.

4. Click Register.

2:57	ŶL
M-Tag CCCE84	A2B549E 🛞
Un-Registered	
Device Identifie	r RSSI
M-Tug CCCEBA2B	549E -01
vailable Actions	-
111111111111111111111111111111111111111	
evice Details	
evice Details	3A-19FB-074379AAB84B
evice Details UUID CF7DF89C-FBAB-013	BA-19F8-074379AA884B
evice Details UUID CF7DF89C-FBAB-013 Mac Address D4AED628368F	AA-19F8-074379AA884B Firmware Version v3.3.2d
evice Details UUID CF7DF89C-FBAB-013 Mac Address D4AED62836BF Battory	SA-19F8- 074379AA884B Firmware Version v3.32d Model Type
evice Details UUID CF7DF89C-FBAB-OIX Mac Address DAAED628368F Battory 18%	AA-19F8-074379AA884B Firmware Version V3.3.2d Model Type LF-PRX-01
evice Details UUID CF7DF89C-FBAB-013 Mac Address DAAED628368F Battery 18%	BA-19F8-074379AA884B Firmware Version v3.3.2d Model Type LF-PRX-01
evice Details UUID CCF7DF89C-FBAB-OIX Mac Address DAAED628368F Battery 18%	AA-19F8-074379AA884B Firmware Version V3.32d Model Type LF-PRX-01

The M-Tag registration screen is displayed.

- 5. Do the following in the registration screen.
 - a. Enter **Name** for the M-tag.
 - b. Select Application Name.
 - c. Select Installation- Indoor or Outdoor.
 - d. Select Mode. It is recommended to choose Optimal Performance.

ſ	Add M-Tag details
	Name
	Eg: Lobby Door #1
	Location
	Enter device location
	Application Name
L	Select 🗸
	Installation Indoor Outdoor
	Mode
	High Performance
	Goptimal Performance, consumes more battery. Goptimal Performance (Recommended) Mericine and removes efficient battery.use
	Battery Saving Low performance, reduces bottery use.
	Custom
	Register



6. Click Register.

The M-Tag is listed as registered on successful registration.

7:24	🕈 🕞
M-Tags	
Registered	8
Alien 549e Services: Device Information	
Registered	8
alien 6e39 Services: Device Information	
	•
	*

- 4. Modify M-Tag Settings
- 1. Launch the **M-Tag Admin** App.
- 2. Log in to the App.

The M-Tag screen is displayed with the list MAC Ids of the available M-Tags.



3. Select the registered **M- Tag** to edit settings.

The M-tag detail screen is displayed.

	= \$ lb.
obby Door #1	6
Registered	1
Device Identifier	Application Name
Location 440 N Walfe Rd Sunnyvale, CA 94085	Installation Indoor
Available Actions	
Un-Register 👸	Test/Debug 🛅
Firmware 👜	Calibrate IR 🧭
Modify revice Details Mode of Operation Custom	Settings
Modify Device Details Mode of Operation Custom UUID assignsdasdasdeseters	Settings View dotails 🗸
Modify bevice Details Mode of Operation Custom UUID asdasdasdasdasdasdas 00:00:5e:00:53:af	View dotats View dotats
Modify bevice Details Mode of Operation Custom UUID aadasdasdasdasdasdas Mac Address 00:00:59:00:53:af	Settings View details ✓ dasdasd Firmwore Version 12.0 Model Type
Modify evice Details Mode of Operation Custom UUID asdasdasdasdasdasdasdasdasdasdasdasdasda	Settings View dotats dasdaad Firmwore Version 12.0 Model Type Type A
Modify evice Details Mode of Operation Custom UUID assdasdasdasdasdasdasd assdasdasdasdasdasdasd Bastery Box Battery Mode	View dotable View
Modify Device Details Mode of Operation Custom UUID aadasdasdasdasdasdasd 00:00:5e:00:53:af Battery 80% Battery Mode Low Me	Settings View details ~ dasdasd Firmwore Version 12.0 Model Type Type A
Modify Device Details Mode of Operation Custom UUID asdosdasdasdasdasd Moc Address 00:00:5e:00:53:of Battery 80% Battery Mode	Settings View details ✓ dasdesd Firmwore Version 12.0 Model Type Type A dium Figh Ta Power

- 4. Click Modify Settings.
- 5. Edit the fields as required. Follow the screen instructions to complete the steps.



6. Click Update.

The M-Tag settings are updated.

5. Unregister M-Tag

- 1. Launch the **M-Tag Admin** App.
- 2. Log in to the App.

The M-Tag screen is displayed with the list of the available M-Tags.

11:48	🕈 💽
M-Tags	
Registered	8
alien 6e39 Services: Device Information	
Registered	8
alien bac4 Services: Device Information	
Registered	8
tanvi16 Services: Device Information	
-99 dBm	•
Registered Access Credentials	Profile

3. Select the **M-Tag** to unregister.



The M-tag detail screen is displayed.



4. Click Un-Register.

A pop-up box is displayed to confirm de-registration.

3:07	
549e	@
Registered	
Device Identifier	Application Name
M-Tag CCCE8A2B549E	Арр
Location	Installation
Kadubisanahalli, Outer	Indoor
Un-F Cancel	Ok 🛅
Firmware	Calibrate IR 🧭
Modify	Settings
Device Details	
Mode of Operation	
High	View details 🔺
8	A 1

5. Click **Ok**.

The M-Tag is unregistered. You can verify it in the M-Tag list screen.



6. Recommended Settings

6.1 Hold To Unlock:

Firmware version: V3.6.1

Multiple M-tags present: Yes

M-Tag settings

BLE distance	Medium
Advertising interval	Medium
IR distance	Low
writeRssi	-100
Auto unlock	Enabled

IOS App Observations: App Version-1.8(1.1)

With the above settings, the M-tag(door) is visible in the foreground for 1-10 feet radius.

Transactions

- a. Foreground- Gives successful transactions within 4-feet radius.
- b. Background- Door unlocks from far as the writeRSSI is low and can be met easily.
- c. Hold To Unlock- Works consistently well with RSSI logic.

6.2 Background Unlock:

Firmware version: V3.6.1 Multiple M-tags present: Yes

M-Tag settings

BLE distance	Medium
Advertising interval	Medium
IR distance	Low (Not need for Background unlock)
writeRssi	-60
Auto unlock	Enabled

IOS App Observations: App Version-1.8(1.1)

With the above, the M-tag(door) is visible in the foreground for 1-10 feet radius.

Transactions

- a. Foreground- Gives successful transactions within 4-feet radius.
- b. Background- Works consistently well with RSSI logic.

c. Hold To Unlock- Does not work (Due to greater RSSI value). with IR distance set to medium, the M-tag tends to act as in Background mode.

OBSERVATIONS:

A door cannot have both Hold to unlock and Background enabled as the writeRSSI value to be set is different for both.

Auto unlock takes a little long to open the door if there are multiple M-tags around. This happens because, the app might get connected to one M-Tag nearby, but as the user walks near the other door, the app must first disconnect from the earlier mtag and then connect to the one on the door.

The app cannot do auto unlock if Bluetooth is turned off. You need to launch the app and see the Wallet screen to see if Bluetooth is turned off.

While updating firmware through M-Tag Admin App, hold your phone really closer to the M-Tag, else the app will go on a loop.

Firmware Version	Issues
V3.1.x	Firmware Upgrade issue.
V3.3.x	Hold to unlock IR Sensor Calibration Issue fix.
V3.6.0	Older Versions of the App gives E-01 error on unlock.
V3.6.1 (Recommended)	Oloid App Versions 1.4 (Android) and 1.8(IOS) works fine.

Firmware version: V3.6.1

Multiple M-tags present: Yes

M-Tag settings

BLE distance	Low (Not recommended)
Advertising interval	Low (Not recommended)

IR distance	Low
writeRssi	-60 to -70
Auto unlock	Enabled

IOS App Observations: App Version-1.8(1.1)

With the above settings, the M-tag(door) is visible in the foreground only between 1-2 feet radius.

Transactions

- a. Foreground- Gives success when the transactions are done standing very near to the M-tag. (1feet approx.). Fails otherwise with timeout error E-01.
- b. Background- Works inconsistently. (Due to breaks in the graph)
- c. Hold To Unlock- Does not work (Due to breaks in the graph when phone is inside the pocket).

Firmware version: V3.6.1

Multiple M-tags present: Yes

M-Tag settings

BLE distance	Medium (recommended)
Advertising interval	Medium (recommended)
IR distance	Medium (Not recommended for Hold to Unlock)
writeRssi	-60 to -70
Auto unlock	Enabled

IOS App Observations: App Version-1.8(1.1)

With the above settings, the M-tag(door) is visible in the foreground between 1-10 feet radius.

Transactions

- a. Foreground- Gives successful transactions within 4-feet radius.
- b. Background- Works consistently well with RSSI logic.
- c. Hold To Unlock- Does not work (Due to greater RSSI value). with IR distance set to medium, the M-tag tends to act as in Background mode.

Firmware version: V3.6.1

Multiple M-tags present: Yes

M-Tag settings

BLE distance	High (Not recommended)
Advertising interval	High (Not recommended)
IR distance	High (Not recommended)
writeRssi	-60 to -70
Auto unlock	Enabled

IOS App Observations: App Version-1.8(1.1)

With the above settings, the M-tag(door) is visible in the foreground for **>10 feet** radius. Also, the battery consumption is high.

Transactions

- a. Foreground- Gives successful transactions always.
- Background- Door unlocks from far as the distance is high and hence RSSI is met easily.
- c. Hold To Unlock- M-Tag detects a person/shadow from far and keeps unlocking the door hence acting same as in Background mode.