USER MANUAL

Identium Atlas

BLE and AoA Demonstration App for Android

See Identium Bluetooth tags working on a phone: scan, name, find, ring, demonstrate and buy. Set-up, daily use and troubleshooting for Identium Atlas 1.3.1



THIS MANUAL COVERS	VERSION	PLATFORM
Identium Atlas app	1.3.1 (build 6)	Android 8.0 or newer, phone or tablet

Document version 1.0 · November 2026

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Creating identities for all

Identium Atlas is Identium's Bluetooth asset-tracking demonstration app for Android. It lists the Identium BLE tags and work cards around you, names each one by its model number, shows roughly how far away each tag is, walks you to a tag with a signal radar, rings the buzzer and lights on a find-me tag, and runs ready-made scenes that end with the parts a client needs and a link to buy each one. Simulation mode runs everything with no hardware at all. This manual covers version 1.3.1, the version on the Identium Resource Hub, screen by screen.

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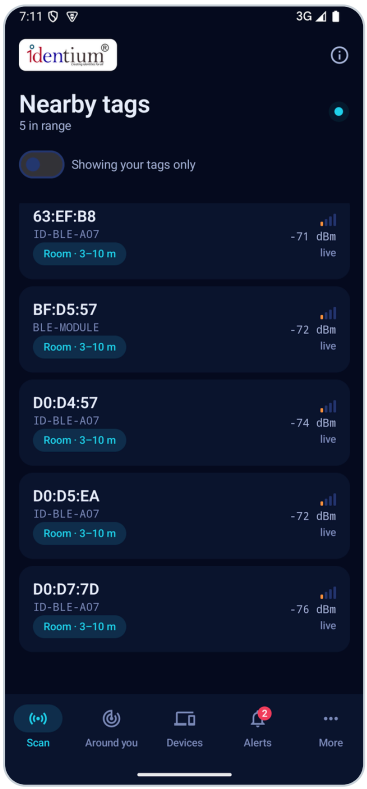
01/ System Requirements



Identium Atlas 1.3.1: the Scan screen, here in Simulation mode

Android	Android 8.0 or newer, on a phone or tablet
Bluetooth	Bluetooth Low Energy, to hear real tags. Simulation mode needs no radio at all
Download	One APK file of about 2.9 MB
Network	Not needed to scan or to simulate. Store, website and contact links open in your browser, mail, phone or WhatsApp app
Tags	Identium BLE tags and work cards (table below)

Permissions Atlas asks for

Permission	What it is for
Nearby devices	Hearing tags, and connecting to a find-me tag to ring it
Location (precise, while using the app)	Android counts working out where something is from radio signals as using your location. Your location is never sent anywhere: everything stays on the phone
Notifications	Keeping Atlas listening while you use other apps, and alerting you when an SOS button is pressed

Identium hardware in the Atlas catalogue

Type	Identium models
Beacons and asset tags	ID-BLE-T01, T03, T08, L01, L02, B22, A07, A20, X62, X11 (buzzer and light, find-me), R09, E59
Wearables and work cards	ID-BLE-W16, S25, C08, W61, B50 (SOS button)
Gateways	ID-BGW-02 BLE gateway
AoA anchors	ID-AOA-GW25 Bluetooth AoA anchor

Every model has its own page on the India RFID Store, and Atlas links to it (section 11).

02/ Install or Update Identium Atlas

Atlas is installed from its APK file on the Identium Resource Hub.

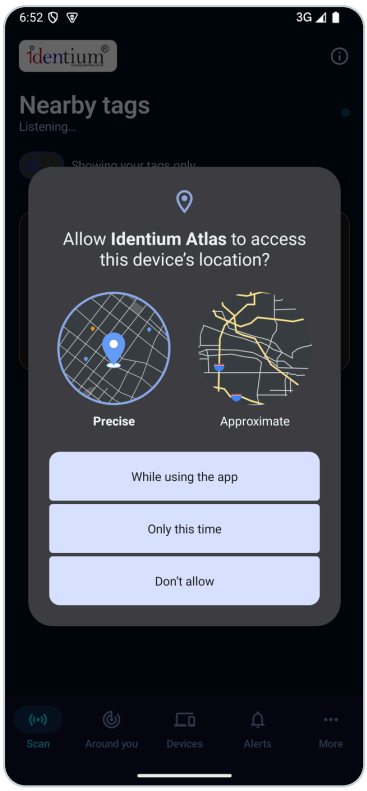
1. On the phone, open **identiumone.com/resourcehub/** and download `Identium-Atlas-v1.3.1.apk`. You can also copy the file from a PC.
2. Open the downloaded file. If Android asks, allow your browser or file manager to **install unknown apps**, then go back and tap **Install**.
3. Open **Identium Atlas** from the app list.

> **NOTE**
> **Updating from an earlier version:** install 1.3.1 over the top. It is signed with the same Identium key as version 1.2.1 on the Resource Hub, so your sites, tags and settings are kept.

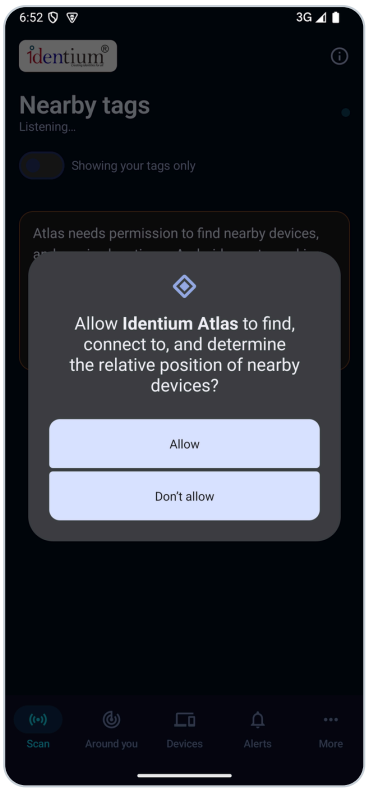
> **TIP**
> **Check your version:** open **More › About Identium Atlas**. It shows **Version 1.3.1 (build 6)**.

First start

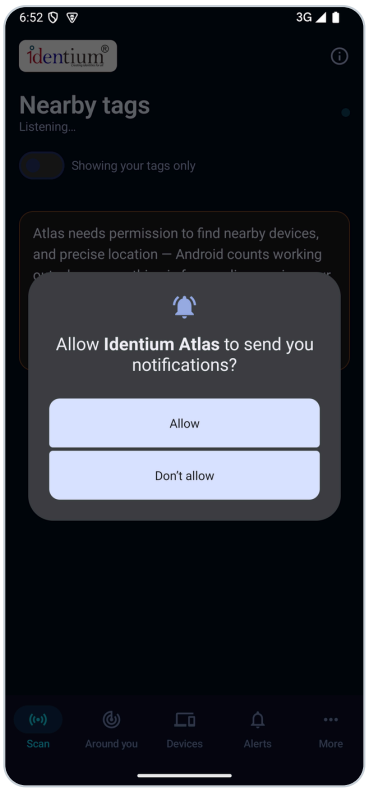
Atlas starts listening as soon as it opens. Android first asks for three permissions: tap **While using the app** for location (keep **Precise** selected), then **Allow** for nearby devices and for notifications.



1. Location: keep Precise, tap While using the app

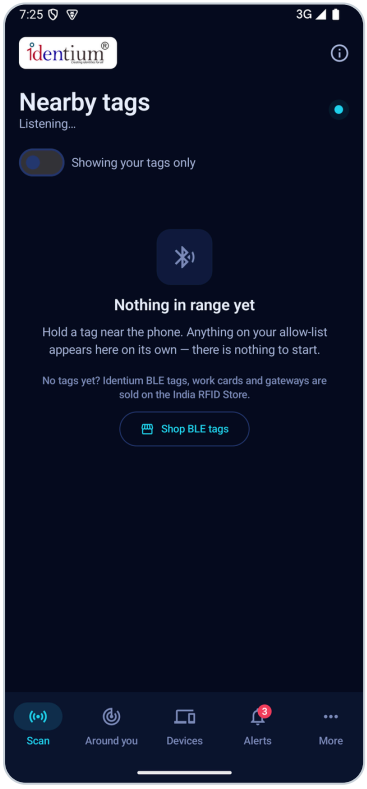


2. Nearby devices: tap Allow



3. Notifications: tap Allow

03/ Getting Started



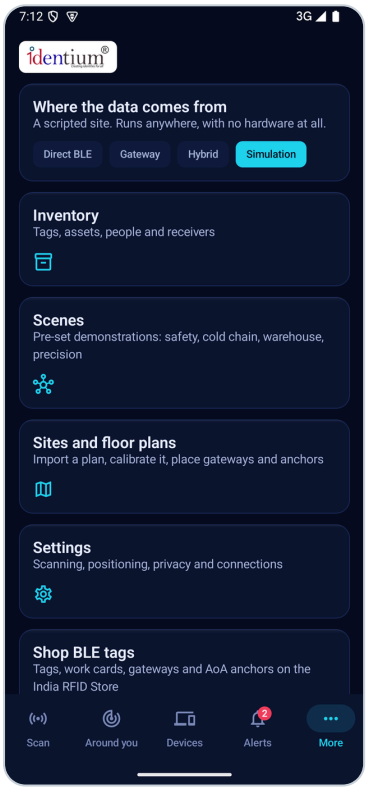
Scan with no tags in range yet

The Scan screen

Part	What it does
Identium logo	Top left of Scan and More: shows whose product this is
ⓘ button	Top right: opens **About Identium Atlas** (section 11)
Nearby tags	How many tags are in range now, and how many have gone quiet
Live dot	Pulses while Atlas is receiving
Showing your tags only	Switch on to see every Bluetooth device nearby (section 04)
Shop BLE tags	Shown while no tag is in range: opens the BLE range on the India RFID Store

The bottom bar

Tab	Use it to
Scan	See every tag in range, strongest first (section 04)
Around you	Count the tags by distance band from this phone (section 06)
Devices	Pool several phones so that, together, they can tell where a tag is
Alerts	See SOS presses and other alerts waiting on someone, and acknowledge them
More	Choose where the data comes from, and open Inventory, Scenes, Sites and floor plans, Settings, Shop BLE tags and About



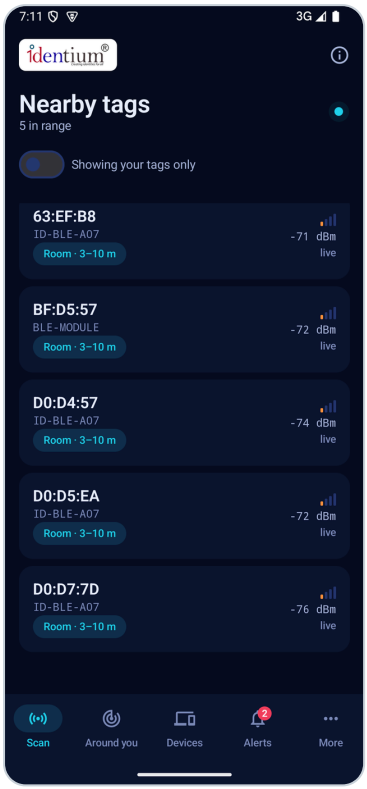
More: choose where the data comes from

Where the data comes from

The four chips at the top of **More** choose the source of every screen. The line under the heading says what the selected mode does.

Mode	What it does
Direct BLE	This phone talks to the tags. No gateways, no network. Use it with real tags
Simulation	A scripted site that runs anywhere with no hardware (section 09)
Gateway, Hybrid	For sites where Identium gateways feed an on-site hub. Until a hub is connected, Atlas listens with the phone's own radio, as in Direct BLE

04/ Scan: Tags Nearby



Scan: tags in range, strongest first

Scan is the first screen and there is nothing to start: Atlas lists every tag on your allow-list, strongest signal first, and keeps the list up to date.

On each row	Meaning
First line	The tag's name from your inventory, or the last part of its Bluetooth address
Second line	The tag's Identium model number, for example **ID-BLE-A07** (section 05). A tag Atlas cannot name shows the name it broadcasts
Distance chip	**Immediate** under 1 m · **Near** 1–3 m · **Room** 3–10 m · **Far** over 10 m. A range worked out from signal strength, not a measurement
Bars and dBm	Smoothed signal strength. Nearer 0 dBm is stronger
Battery %	Shown when the tag reports its battery
live / age	How long ago the tag was last heard

Tags that go quiet

A tag that has not been heard for about ten seconds stops counting as in range. It moves to **Gone quiet**, dimmed and marked **Quiet**, so you can still see it. After about a minute of silence it leaves the list. The header counts the two separately, for example **0 in range · 5 gone quiet**.

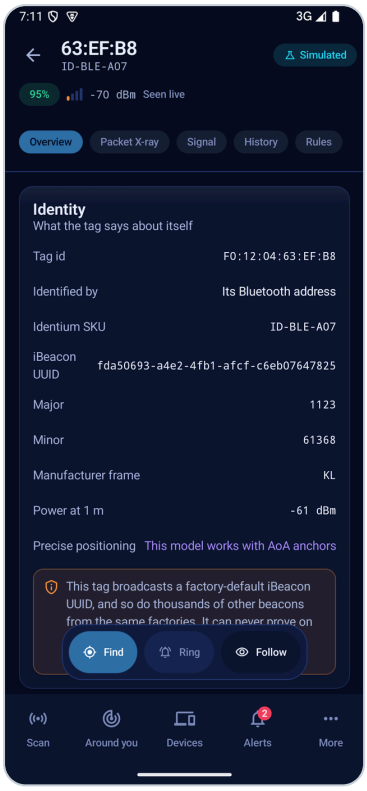
See every Bluetooth device

Tap **Showing your tags only** to switch to **Showing every Bluetooth device nearby**. Your tags stay at the top and everything else is grouped under **Other devices**, marked **Unknown**. Use it to find the address or name of a tag that is not on your allow-list yet, then add it in **Settings › Scanning**.

SOS

When someone presses the button on an SOS tag such as the ID-BLE-B50 fob, the alert takes over whatever screen is showing. On **Scan**, a red **SOS pressed** banner sits at the very top and that tag jumps to the head of the list; tap the banner to open the tag. Acknowledge the alert on the **Alerts** tab.

05/ Product Names by Model Number



Tag detail: the model number under the name and in the Identity card

Tap any row on **Scan** to open the tag. Its Identium model number appears under the name and again in the **Identity** card as **Identium SKU**.

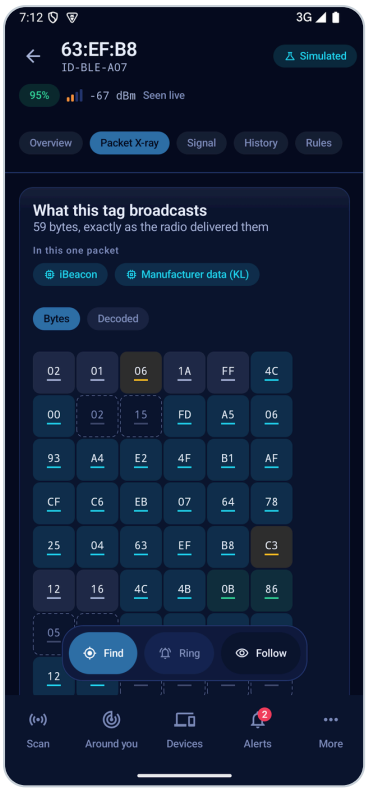
How Atlas names a tag

- A tag registered in **More › Inventory** uses the model it was given.
- Otherwise Atlas reads the name the tag broadcasts and matches it against its catalogue of Identium models. An ID-BLE-A07 asset tag or an ID-BLE-S25 work card is named straight out of the box.
- When nothing matches, Atlas shows the broadcast name instead of guessing: a wrong model number is worse than none.

The **Identity** card also shows the tag id, the iBeacon values, the power at 1 m and, under **Precise positioning**, whether the model works with ID-AOA-GW25 AoA anchors.

The tag screen

Tab or button	Shows or does
Overview	Identity, the **Buy this model** link (section 11), buzzer and light controls on find-me tags (section 07), sensors and battery
Packet X-ray	Every byte the tag broadcast, coloured by meaning, with a plain-English explanation of each field
Signal	Raw and smoothed signal strength over the last minute
History	Where the tag has been. Positions need fixed receivers and a floor plan; one phone measures distance, not position
Rules	The alert rules watching this tag in the current scene
Find · Ring	**Find** opens the radar (section 06). **Ring** sounds a find-me tag (section 07)



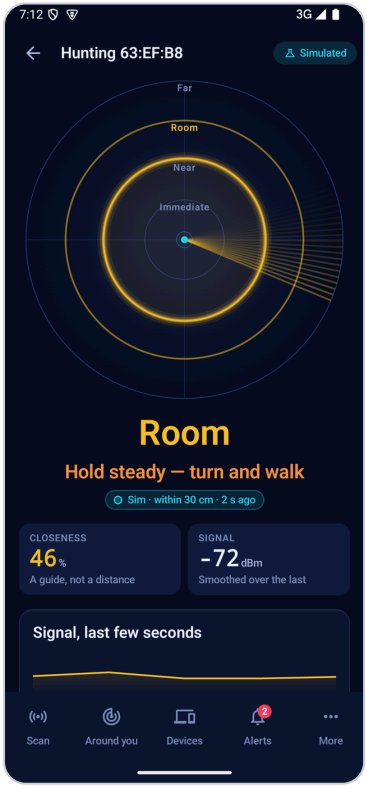
Packet X-ray: the bytes behind the name

Packet X-ray

Packet X-ray shows exactly what the tag sent, in the order the radio delivered it. The chips at the top name the parts of the packet, such as **iBeacon** and **Manufacturer data**. Tap a byte to see which field it belongs to and what it means.

> **NOTE**
> A tag id or iBeacon UUID is a label, not a key: Bluetooth broadcasts can be copied. Never let a tag id on its own open a door or release anything physical.

06/ Find a Tag: Radar and Around You

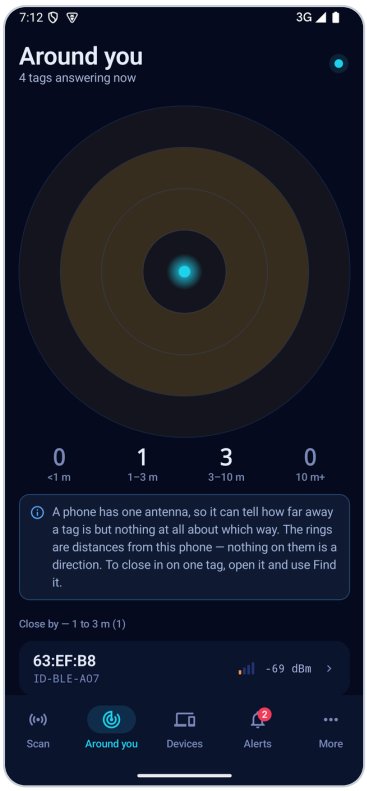


Find it: the radar hunting a tag

1. Open the tag and tap **Find**. The screen title reads **Hunting** and the tag's name.
2. Hold the phone in front of you and walk. The glowing ring and **Closeness** rise as you get nearer, and the guidance line says **Getting closer**, **Moving away** or **Hold steady – turn and walk**.
3. When it says **You're right next to it**, look around you: the tag is within reach.
4. Switch on **Vibrate as you get closer** to hunt without watching the screen.

> **NOTE**
> A phone has one antenna, so it can tell how far away a tag is but not which way. The ring shows distance, not direction: walk a few steps and watch whether it closes in.

Closeness is a guide, not a distance. **Signal** is smoothed over the last second, and the chart below it shows the last few seconds.



Around you: tags counted by distance band

Around you

The **Around you** tab counts the tags answering right now in four bands from the phone: under 1 m, 1–3 m, 3–10 m and over 10 m. Below the rings, the tags are listed by band, nearest first. Tap one to open it.

The rings are distances from this phone. To see tags on a floor plan, a site needs fixed receivers: ID-BGW-02 gateways for zone and room level, or ID-AOA-GW25 anchors for precise positions (section 12).

07/ Ring a Find-me Tag

The **ID-BLE-X11** buzzer-and-light beacon can be made to sound and flash from the phone, so you can find it by ear or pick one tag out of a tray of identical ones. Ringing connects to a real tag over Bluetooth, so the tag must be in range and answering.

1. On **Scan**, a find-me tag that is answering shows a **Ring** button on its row. Tap it. The button reads **Ringing…** while Atlas connects and sends the command.
2. For more control, open the tag. On the **Overview** tab, the **Buzzer and lights** card lets you choose **How long** (3, 5, 10 or 30 s), then sound the **Buzzer**, flash **All lights**, or tap one coloured swatch to flash that colour on its own.
3. **Ring** at the bottom of the tag screen sounds the buzzer and all lights together.
4. Atlas then reports what the tag answered.

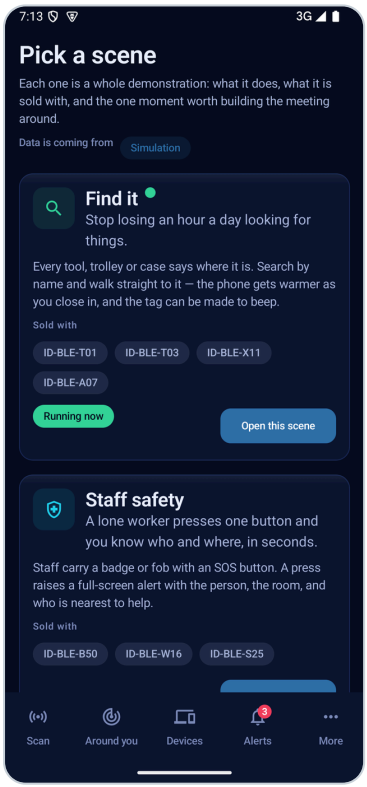
Message	What it means
Ringing – listen for the buzzer.	The tag confirmed the command
Sent, but the tag did not confirm. It may be at the edge of range.	Listen anyway. If nothing sounds, move closer and try again
That tag will not accept a connection. Some are set to broadcast only.	This tag cannot be rung from a phone
That tag has no buzzer or light fitted.	Only the ID-BLE-X11 has a buzzer and lights
Could not reach that tag. Move closer and try again.	The connection failed. Move closer and tap again

TIP

While a ring is in progress the **Ring** button is disabled, so a second tap cannot ring the same tag twice.

08/ Scenes and the Parts List

Scenes are ready-made demonstrations. Each one tells a use case from start to finish and ends with the Identium parts it needs. Open them from **More › Scenes**.



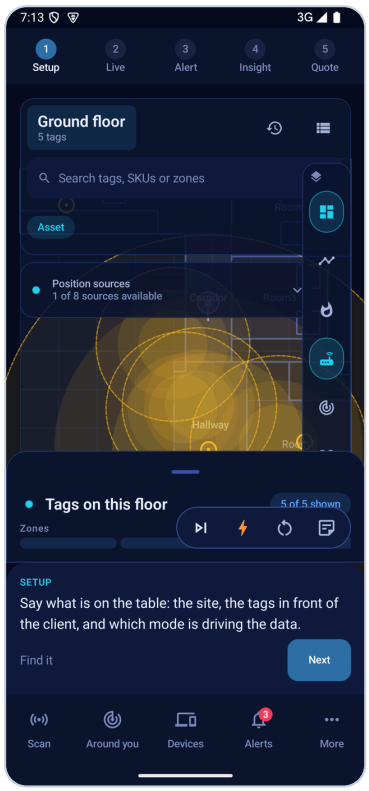
Pick a scene: what it shows and what it is sold with

Scene	Sold with
Find it	ID-BLE-T01, T03, X11, A07
Staff safety	ID-BLE-B50, W16, S25
Cold chain	ID-BLE-L01, T01
Warehouse zones	ID-BLE-T08, ID-BGW-02
People and RFID hand-off	ID-BLE-C08, W16
Precision (AoA)	ID-AOA-GW25 with ID-BLE-A07, A20, B22, S25, L01
Livestock	ID-BLE-E59, ID-BGW-02
Vehicles and yard	ID-BLE-R09, X62, ID-BGW-02

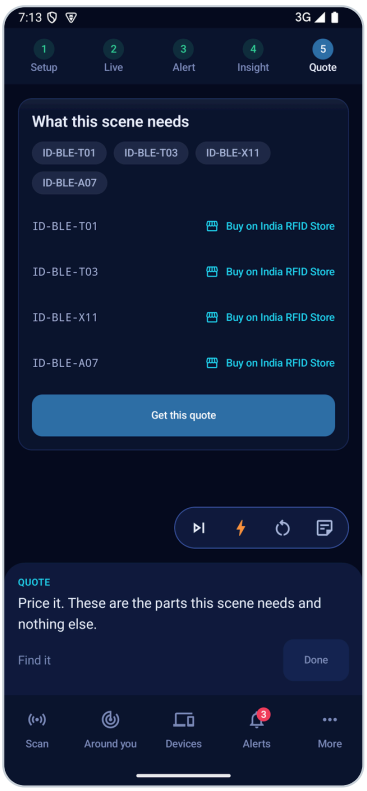
Running a scene

1. Tap **Open this scene**.

2. The five steps across the top, **Setup, Live, Alert, Insight** and **Quote**, follow the story. The narration at the bottom says what to tell the client; **Next** moves on.
3. The presenter controls (**Next**, **Trigger event**, **Reset**, **Notes**) sit in a small bar. Swipe it away when the screen is mirrored to a television.
4. On **Quote**, **What this scene needs** lists the parts. Tap **Buy on India RFID Store** beside a part to open its store page, with its price and specifications.



The scene player: live view, steps and narration



Quote: the parts this scene needs, each with a buy link

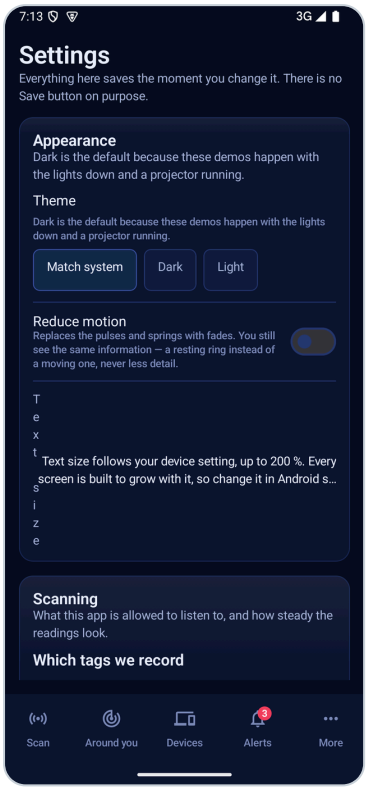
09/ Simulation Mode

Simulation runs a scripted site on the phone: tags move, batteries report and alerts fire, and every screen behaves as it does with real hardware. Use it when you have no tags to hand, or on a phone or tablet without Bluetooth Low Energy.

1. Tap **More**.
2. Under **Where the data comes from**, tap **Simulation**. The line under the heading changes to **A scripted site. Runs anywhere, with no hardware at all.**
3. Go back to **Scan**. Simulated tags appear within a few seconds, and tag screens show a **Simulated** chip.
4. To return to real tags, choose **Direct BLE**.

> **TIP**
> Changing mode stops the old source first and clears the previous scene's alerts, so simulated and real tags never mix on one screen. Scenes (section 08) run on the same simulator.

10/ Settings



Settings, opened from More

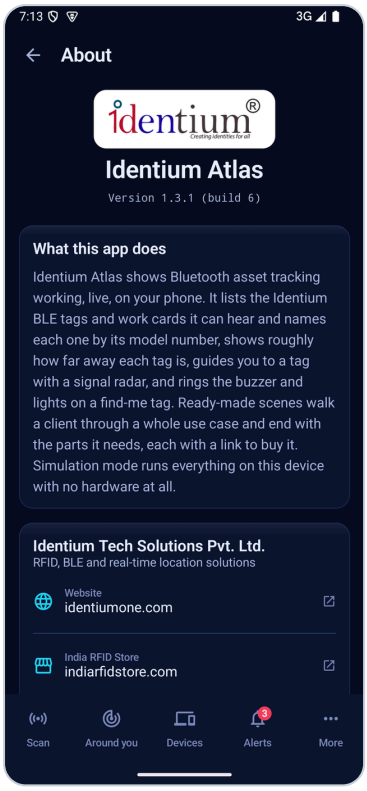
Open **More › Settings**. There is no Save button: a change takes effect the moment you make it, and each control says what it changes.

Section	What to set there
Appearance	Theme (**Match system**, **Dark** or **Light**) and **Reduce motion**. Dark suits demonstrations with the lights down
Scanning	Which tags are recorded: the allow-list of address prefixes, name prefixes and service IDs, with **Restore the defaults**
Positioning	How signal strength is turned into a distance, one value per floor
Alerts	**Vibrate** and **Make a sound** when an alert arrives
Privacy	**Hide names**, **What this app stores**, and deleting a person's data
About	**About Identium Atlas**, the version and the price-list date

CAUTION

Leave the allow-list on its defaults unless Identium support asks you to change it. Removing an entry can stop your tags appearing. **Restore the defaults** puts it back.

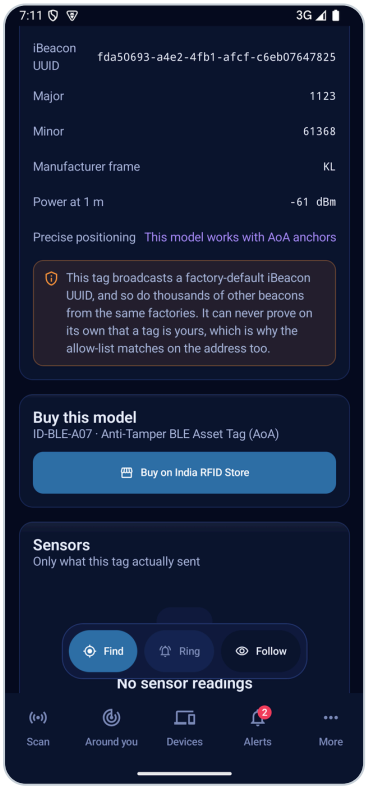
11 / About Identium Atlas and Buying Tags



About: the app, its version and what it does

Open **About** from the ⓘ button on **Scan**, from **More › About Identium Atlas**, or from **Settings › About**. It shows the app name, the version and build, and what the app does. Scroll down for Identium's contact details and **Shop BLE tags**.

Item	Tap it to
Website · identiumone.com	Open Identium's website
India RFID Store · indiarfidstore.com	Open the store
Email · info@identium.in	Start an email in your mail app
Phone · +91 97181 99516	Open the dialler with the number filled in. It never dials by itself
WhatsApp · +91 82877 32647	Start a WhatsApp chat
Shop BLE tags	Open the store's BLE range: tags, work cards, gateways and AoA anchors



Tag detail: Buy this model

Buy links

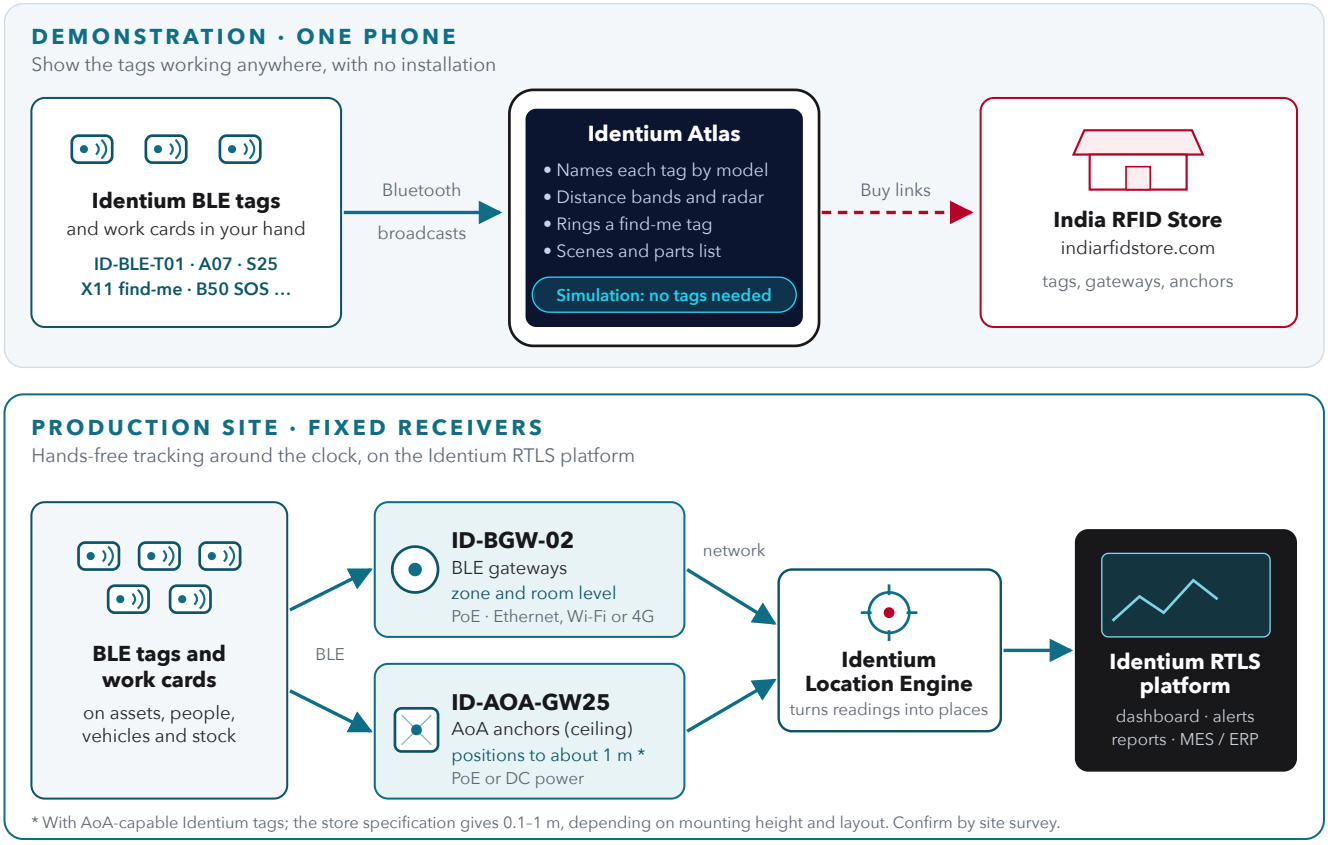
Every Identium model in Atlas links to its own page on the India RFID Store, with its price and specifications.

Where	Link
Tag detail › Overview	**Buy on India RFID Store**, for a tag Atlas has named by model
Scene › Quote	**Buy on India RFID Store** beside each part
Scan (no tags in range), More, About	**Shop BLE tags**: the whole BLE range

> **NOTE**
> Links open in your browser or the matching app. Atlas needs no extra permission for them.

12/ How Atlas Fits a Deployment

Atlas shows Identium BLE tags working on one phone, anywhere, with no installation. A production site tracks the same tags hands-free with fixed receivers and the Identium RTLS platform.



From demonstration to production: tags to a phone running Atlas; tags to ID-BGW-02 gateways and ID-AOA-GW25 anchors, through the Identium Location Engine, to the Identium RTLS platform.

You want	Hardware	What you get
A demonstration, or to check a tag	Identium BLE tags and a phone with Atlas	Model names, distance bands, the radar and ringing, with no installation
Zone and room tracking	Tags, ID-BGW-02 gateways and the Identium RTLS platform	Which zone or room each tag is in, around the clock. Signal-strength positioning is zone or room level
Precise positions	AoA-capable tags, ID-AOA-GW25 anchors, the Identium Location Engine and RTLS platform	Positions to about 1 m with AoA-capable tags (store specification 0.1–1 m, depending on mounting height and layout)

Ask Identium for a site survey and a recommended kit before you buy for a site. All the hardware is on the India RFID Store.

13/ Troubleshooting

Scanning

What you see	Why	What to do
Atlas needs permission to find nearby devices…	Nearby devices or location permission was refused	Tap **Grant permission** and allow **Nearby devices** and **Location** (precise) for Identium Atlas
Bluetooth is off, so nothing can be heard.	Bluetooth is switched off	Tap **Turn on Bluetooth**
Nothing appears, with permission granted	Location is switched off in quick settings, or no tag is in range	Turn on **Location**: Android does not report nearby tags while it is off. Then hold a tag near the phone
A tag you are holding does not appear	It is not on your allow-list	Switch to **Showing every Bluetooth device nearby**. If it appears under **Other devices**, add its address or name prefix in **Settings › Scanning**
Android has slowed this app's scanning…	Android paused scanning after it restarted too often	Wait a moment: scanning resumes on its own
This device has no Bluetooth Low Energy radio…	The phone or tablet cannot hear tags	Tap **Use simulation**, or choose **Simulation** in **More**
A tag moves between Near and Room	Signal strength varies indoors	This is normal: the bands are approximate. For precise positions a site needs ID-AOA-GW25 anchors (section 12)

Names, ringing and links

What you see	Why	What to do
A broadcast name instead of a model number, and no buy link	The tag is not registered and its name does not identify the model	Register it in **More › Inventory** with its model number
No **Ring** button	The tag has no buzzer, or it is not answering	Only the ID-BLE-X11 rings. Wait until its row shows it is live
Could not reach that tag. Move closer and try again.	The connection failed	Move closer and tap **Ring** again
No app on this device can open web links.	No browser is installed or enabled	Install or enable a web browser
App not installed when updating	An older copy signed with a different key is installed	Uninstall the old copy first (this removes its local data), then install 1.3.1

14/ Support

For help with installation, integration or a fault that the steps above do not clear, contact Identium. Please keep the product model, the software version shown in the app and a short description (or screenshot) of the problem ready.

Company	Identium Tech Solutions Pvt. Ltd.
Address	Plot No. 5, First Floor, Raja Dhirsain Marg, Garhi, Sant Nagar, East of Kailash, New Delhi 110065, India
Phone	+91 97181 99516 · 011-4714 7839
WhatsApp	+91 82877 32647
Email	info@identium.in
Software and documents	www.identiumone.com/resourcehub/
Buy hardware and tags	www.indiarfidstore.com

This product and its software are updated from time to time; screens and specifications may change without notice. Check the Resource Hub for the latest version of this manual.