Aerpro
In-Car Tech Solutions

AIMBT

BLUETOOTH IMMOBILISER

Black wired with key-tag · Anti-theft engine immobiliser



USER MANUAL

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Introduction

The AIMBT is an engine immobiliser that protects your vehicle from theft and unauthorised engine starts. It arms and disarms automatically, using the included Bluetooth key-tag or a paired smartphone as the key. There is no button to press when you get in or out of the vehicle.

Key Features

- **Wireless engine immobiliser** that arms and disarms automatically via Bluetooth
- **Dual key options:** use the key-tag or a paired smartphone
- **5-level range:** tune proximity detection from approximately 3 to 15 metres
- **Instant protection:** immobilises once the ignition is off and the key-tag or phone leaves range
- **Valet / emergency mode** for starting the vehicle without a working key-tag
- **Power-off memory** keeps the armed or disarmed state if the vehicle battery is disconnected
- **Low-battery alert** with up to 1 year of key-tag battery life
- **Tamper-resistant:** all-black wiring with no plugs to trace or disconnect

What's in the Box

- Immobiliser main unit with cables, valet switch and buzzer
- BT key-tag (CR2032 battery pre-installed)
- Key hook
- Double-sided sticker
- PVC warning card



Main unit
Valet switch and buzzer connect by lead



BT key-tag
Button and built-in buzzer

Specifications

Working frequency	2.4 GHz
Valid key-tag range	Approx. 3 to 15 metres (5 adjustable levels)
Key-tag battery	CR2032, 3V × 1
Key-tag standby current	< 2 µA

Working voltage	12V DC ±3V
Working current	< 21 mA
Main unit standby current	10 mA
Suits	Cars, utes, 4WDs, vans and most light commercial vehicles

Smartphone Pairing

A paired smartphone works as an additional Bluetooth key-tag.

1. With the ignition **off** and the system disarmed (a valid key-tag is nearby), press the **valet switch twice** and hold on the second press until the main unit gives **one long beep**. The system is now ready for pairing.
2. Open **Bluetooth settings** on your smartphone and search for **"IKEY"**.
3. Tap **"IKEY"** to connect.
4. The buzzer gives **2 beeps** to confirm a successful connection.

> **The system remembers one smartphone only.** Pairing a new smartphone erases the previous one.

BT Key-Tag

The key-tag starts working automatically as soon as its battery is fitted. It also has intelligent low battery detection.

> **Low battery alert (below 2.4V):** each time the ignition is switched on, the buzzer in the main unit beeps **three times, repeated twice**, as a reminder. The key-tag can still send its signal for a period of time when the battery is low, but replace the battery as soon as possible.

Battery replacement: designed battery life is 1 year. Replace with one **CR2032** battery.

Adjusting the Proximity Range

The valid range for both the key-tag and a paired smartphone has 5 adjustable levels, so you can tune it to where the vehicle is used. The default is **Level 1** (approx. 3 to 5 metres). Move up a level if the engine occasionally won't start because the signal is lost or weak.

1. Press and hold the key-tag button for **2 seconds**. The key-tag beeps to show its current level.
2. Press and hold the button for **2 seconds** again, repeating until the number of beeps matches the level you want. The level cycles 1 → 2 → 3 → 4 → 5 → back to 1.
3. The selected level saves to the key-tag. To apply it, bring the key-tag into range of the main unit.

Level	Key-tag beeps	Approx. range	Notes
1	1	3 – 5 m	Factory default
2	2	5 – 7 m	Recommended
3	3	7 – 9 m	Recommended
4	4	9 – 11 m	Strong signal
5	5	11 – 15 m	Strong signal

> The range can be programmed using a single key-tag, whether it is inside or outside the main unit's range. Once that key-tag is brought back into range, its level is synchronised to the main unit and the paired smartphone automatically.

System Functions

Anti-Theft Mode	After parking with the ignition off, simply take the key-tag or smartphone away. The engine is blocked automatically as soon as the Bluetooth signal is lost.
Engine Block	If no valid Bluetooth signal is received when you switch the ignition on, the engine is blocked immediately.
Disarm	When armed or alarming, bring the key-tag or smartphone into range and the system disarms. The engine can then be started normally.
Power-Off Memory	If power to the main unit is cut, the system remembers its status and stays in the same state when power returns.

Emergency Override (Valet)

If the key-tag is broken or flat, you can still start the engine using valet mode.

1. Switch the ignition from **OFF to ON**, wait **5 seconds**, then switch the ignition **OFF** and leave it off.
2. Press the **valet switch 3 times** and hold on the third press until the main unit gives **3 beeps**. The system is now disarmed and the key-tag is bypassed, so the engine can be started normally.

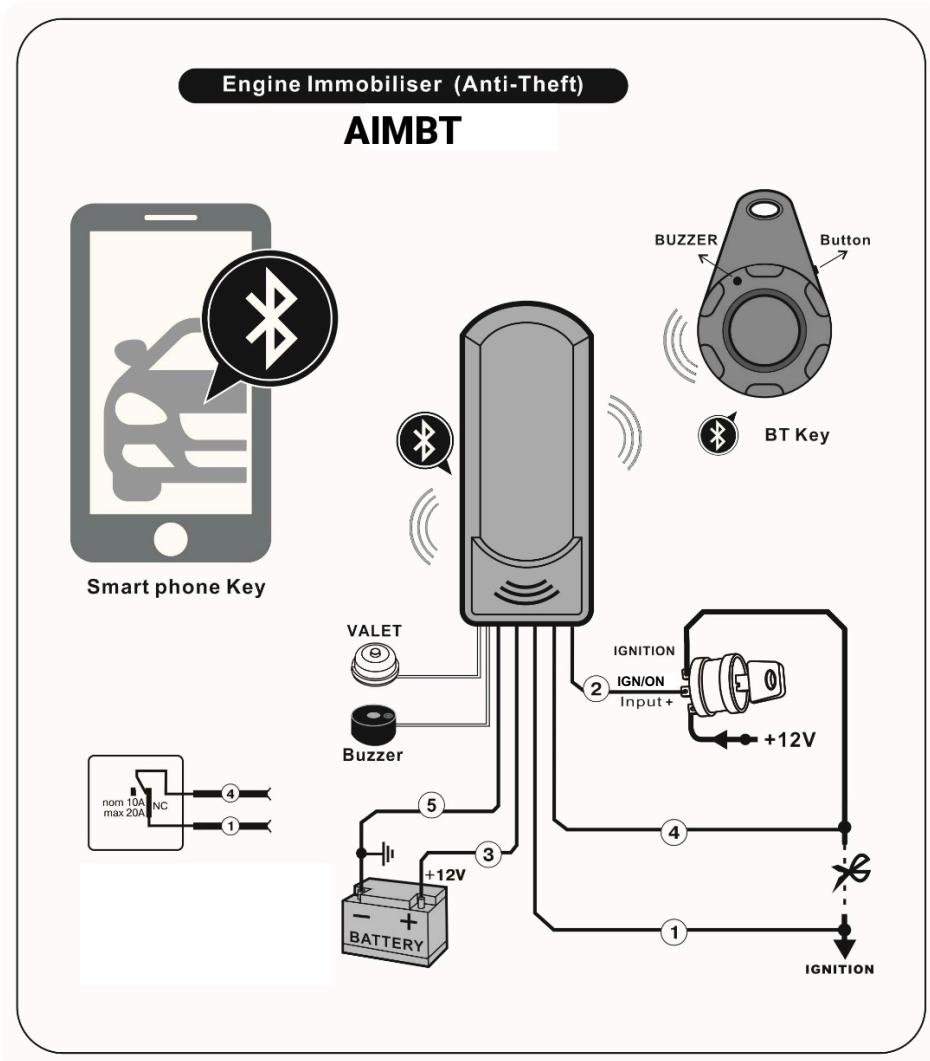
While valet mode is on, the buzzer beeps twice every time the engine is started, as a reminder. To exit, repeat the operation: press the valet switch **3 times**, hold on the third press until you hear **2 beeps**, and the system resumes working.

Memorising New Key-Tags

1. Switch the ignition from **OFF to ON**, wait **5 seconds**, then switch the ignition **OFF** and leave it off.
2. Press the **valet switch 4 times** and hold on the fourth press until the main unit gives **one long beep**. The system is now ready to learn new key-tags.
3. Within **30 seconds**, power on the first key-tag by inserting its battery. **1 beep** confirms it is coded.
4. Insert the battery into the second key-tag for **2 beeps**, and so on. Up to **4 key-tags** can be stored.

> ! **Learning new key-tags erases all previously stored ones.** Code every key-tag you want to use in the same session. The system exits learning mode automatically, with **2 long beeps**, after 30 seconds without activity or once all 4 key-tags are learnt.

Wiring Diagram



Wire Functions

Wire	Function
1	Immobiliser (relay output)
2	IGN / ON (+)
3	12V (+)
4	Immobiliser (relay output)
5	GND (−)

Wires **1** and **4** connect through the immobiliser relay, which is normally closed (NC). The relay is rated at **10A nominal, 20A maximum**.

The valet switch and buzzer connect to the main unit by their own leads.

Note: Wire (2) must remain HOT when cranking the engine.

Technical Support

If you need help setting up or using your Aerpro product, now or in the future, call Aerpro Support Australia on 03 8587 8889, Monday to Friday, 9am to 5pm AEST.

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