

Ai-1

AIRBAG VEST

DETECT PROTECT PERFECT



INTRODUCTION

At In&motion, we continuously meet the challenge of developing **protections among the most comfortable on the market.**

We collaborate intensively with each of our partners until getting our systems completely integrated to their equipment.

Invisible, ergonomic, without affecting the sensations.

OUR COMMITMENT : MAKE A BRIDGE BETWEEN SAFETY AND COMFORT



AIRBAG REVOLUTION

WORN & TESTED AT THE HIGHEST LEVEL

During 3 years development in competition, the airbag system **has been worn and tested by the best world riders in MotoGP™, EWC, BSB and French Superbike**. Today In&motion is one of the three airbag supplier in **MotoGP™**.

WORN & TESTED BY YOU

In 2017, 500 riders has been selected all around Europe and get involved in the product's development.
The objective ? **Offer a product designed by and for the motorcyclist.**

Result :

- 2 millions of kilometers traveled
- 25 falls
- 0 injuries on protected areas by the airbag system
- Several modifications on the final product



BETTER PROTECTING AIRBAGS

In&motion is specialized in the **engineering and industrialization of smart protection systems** that we integrate into partner brands equipment in order to provide to their customers an **additional level of protection**.

The airbag protection systems also called “Weairbags” are dedicated to athletes, amateurs and passionate: motorcyclists, skiers and horse riders.



UNIVERSAL

- Compatible with any jacket*
- Worn under the jacket
- Wireless, no sensors on the bike

PERFORMANCE

- Extremely fast detection and inflation
- 1st impact protection**
- Protect Spine, neck, thorax, abdomen
- 5* SRA
- CE certified
- Integrated CE back protector
- 25-hour battery Life

INTELLIGENT

- 100% autonomous
- Electronic crash detection system
- Embedded algorithms
- Connected and upgradeable technology

COMFORTABLE

- Light
- Breathable
- Ergonomic design
- Reusable

*Jackets certified for motorcycle or scooter use and meeting sizing requirements
**Medium value measured on various crash scenarios

IN&MOTION TECHNOLOGY

IN&MOTION airbag technology is a perfect combination of 3 technological bricks creating together a smart wearable protection. Continuously updated by more than 10 thousands of users, it's nowadays, 7 millions kilometers of collected data anonymously that improve the detection.



DETECT



Sensor data

With **embedded proprietary algorithm**, the system, also called "In&box" measures the position of the user 1000 times per second to detect a fall.



PROTECT

Fast deployment

Once an abnormal movement is detected, the system order the inflation of the airbag. In less than 0,06 seconds the optimum pressure is reached and **the best protection** before the first impact is guaranteed.

Evolving technology

All collected datas thanks to a proprietary software and Apps will therefore regularly improve the system and the detection strategy.



PERFECT

DETECTION DEVICE : IN&BOX



DETECT

The intelligence of the system is contained in the **In&box** (box placed in the back of the vest), an array of technologies, the veritable «brain» of the airbag including the sensors and the algorithm. The latter can measure the position of the user **1000 times per second** to detect an unrecoverable imbalance, anticipate an impact and command the airbag inflation.

For each use of the system (professionals and daily users), **the anonymous collected data expand each user's embedded algorithm.**

A finer detection for a protection performance always optimized.



PROTECTION : AIRBAG

Extremely fast in terms of detection and inflation, **in less than 60 milliseconds**, the airbag offers the best choc protection with a big volume that absorbs the impact and a large protection for critical areas like **thorax, abdomen, neck and spine**.

CE certified and zin1 integrating a CE back protector, it is the first **wireless & sensor less electronic airbag system** ranked **5 stars SRA**.

Combining electronics and personal protection, In&motion brings also an airbag system that **can be worn under any textile or leather motorcycle jacket**.



PROTECT



Versatile & Invisible
Wear under jacket



Re-usable (x3)
After inflation process done by the user



Lightweight
Around 1,3 kg



Comfortable
Stretch & breathable



Protective
Spine, neck, thorax, abdomen



CE certified
Integrated CE back protector



Certified back protector
5/5 stars SRA*



* Independant French ranking (similar to SHARP ranking for helmets)
<http://www.sra.asso.fr/protection/motos/classement-des-gilets-airbag>



inmotion
AIRBAG

APP & DATA : MY IN&BOX



PERFECT

The In&box unit is supported by the app "My In&box" for both Android and iOS that once configured to the box allows **automatic downloads and installation of updates**, system and inflator connection status and real time battery.

The user benefits from **all the features and information's relating to its In&box**, from its activation to the daily operations.

The In&box is totally **independent and autonomous**. It doesn't need to be connected to the application to detect your movements and trigger airbag inflation.

Available on iOS and Android



Compatible Bluetooth Low Energy (BLE)



WELCOME

DASHBOARD

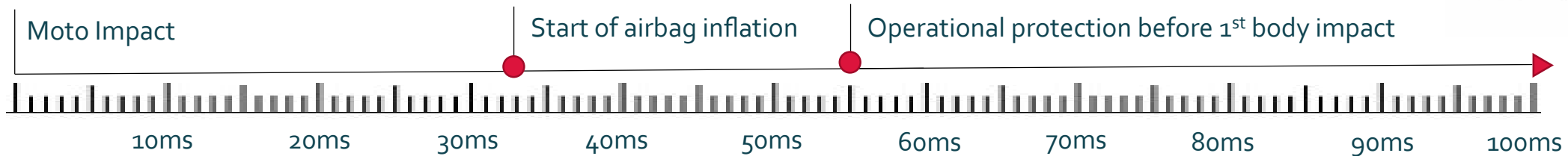
- Account creation and In&box activation
- Dashboard
- Wi-Fi network paired
- Battery level
- System and inflator connection status
- Update alert
- Tutorials and post-inflation procedure

A REAL PROTECTION BONUS

Like the jacket, the boots or the reinforced trousers ... an airbag protection is not mandatory. However, it offers a significant additional protection in case of fall.

Did you know ?*

- A motorcyclist risks **20 times** more than a motorist **to be killed on the road**
- More than **75%** of serious motorcycle injuries are **on the chest and the abdomen**
- **65%** of 2wheels accidents are by frontal collision



After a fall, the airbag **remains inflated** to ensure a sheathing effect and **limit the organs movement**

*Securite-routiere.gouv.fr – 2018
IFSTTAR - 2016

DETECTION CASES

In&motion has developed a specific **street mode detection** to cover impact against a vehicle or solid obstacle.

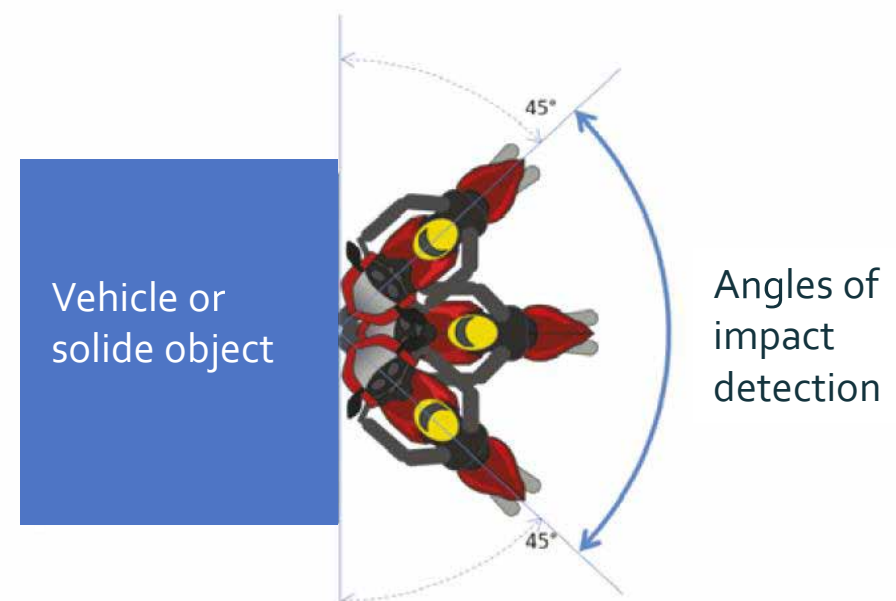
Once Wi-Fi configured, **all the data collected by the In&box are automatically downloaded and will regularly improve the system and detection strategy in order to better predict falls. The detection cases are therefore always optimized.**

For further information regarding next detection options, please visit our website www.Inemotion.com.

DETECTION CASE IN STREET

Motorcycle impact against a vehicle or solid obstacle

The In&motion detection system (the "In&box") can detect a fall when a powered two-wheeler hits a vehicle at a speed higher than 25 km/h (16 mph), with an angle between 45° and 135° at the time of impact.



Make sure to wear your airbag system under a compatible vest (page 27 – Choose the right size)

HOW TO GET IT ?

PURCHASING PROCESS

PURCHASE AN AIRBAG
IN-STORE OR ONLINE
AND GET YOUR IN&BOX



DOWNLOAD THE APP
« MY IN&BOX »
ON IOS OR ANDROID



CREATE YOUR
ACCOUNT AND
SUBSCRIBE



PAIR THE IN&BOX



RIDE SAFE !



AIRBAG

+

IN&BOX ACTIVATION

=



MEMBERSHIP : LEASE OR BUY

Once your product integrating the In&motion airbag system is purchased, you will have to activate your In&box by subscribing to a membership in order to be protected in case of a fall.



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IN&BOX ACTIVATION

REVOLUTION

\$ **12** /month

\$ **120** /year

MOST POPULAR

Leasing options

CLASSIC

\$ **399**

Buying option

Prices with TAX excl.

MEMBERSHIP : LEASE OR BUY



+

OFFER REGULAR

OR OFFER REVOLUTION

IN&BOX PURCHASE
399\$

IN&BOX LEASING
120\$/year – 12\$/month

UPDATES & OPTIMIZATIONS



MOBILE APP DASHBOARD



IN&BOX WARRANTY

2 years

Unlimited

FREEDOM



Cancel anytime

SERVICE IN CASE OF PROBLEM
WITH YOUR IN&BOX

Classic

VIP

NEW IN&BOX GENERATION



PURCHASE OPTION



99\$
(optional)

MOST POPULAR

REVOLUTION OFFER

✓ **UNLIMITED WARRANTY***

✓ **MOBILE APP DASHBOARD**

Available on iOS and Android. You can easily access to your battery level, connection status and your updates via Wi-Fi through the mobile app "My In&box".

✓ **CONTINUOUS OPTIMIZATION**

System performances updates thanks to the data generated by the users.

✓ **CANCEL ANYTIME**

You don't ride anymore? Stop the leasing and send back you're In&box to In&motion.

✓ **SERVICE IN CASE OF PROBLEM WITH YOUR IN&BOX**

*Any problem with your In&box and receive a new one within 72h***

✓ **PURCHASE OPTION**

Purchase option optional after 3 consecutive years leasing.

✓ **NEW IN&BOX GENERATION**

*After 3 consecutive years leasing, get the new generation of In&box available ***.*

REVOLUTION

In&box Leasing

12 \$ / month

or

120 \$ / year

MOST POPULAR



**The In&box warranty only applies if the system is used under the appropriate conditions. On track (closed regulated circuit), the track mode must be activated.*

*** If your issue is not solved by phone, a new In&box will be sent within 72h (Metropolitan France).*

**** Subject to availability*

REGULAR OFFER

REGULAR In&box Buying

399 \$

✓ **2 YEARS WARRANTY***

✓ **MOBILE APP DASHBOARD**

Available on iOS and Android. You can easily access to your battery level, connection status and your updates via Wi-Fi through the mobile app "My In&box".

✓ **CONTINUOUS OPTIMIZATION**

System performances updates thanks to the data generated by the users.

**The In&box warranty only applies if the system is used under the appropriate conditions. On track (closed regulated circuit), the track mode must be activated.*