

D-AIR® INFORMATIVE NOTE FOR INFLATABLE PROTECTORS

D-AIR®  
**STREET  
SMART  
JKT**



*DAINESE*

**THANK YOU FOR CHOOSING DAINESE!**

THE PRODUCT YOU HAVE CHOSEN HAS BEEN DESIGNED TAKING ADVANTAGE OF PRECIOUS COOPERATION AT NATIONAL AND INTERNATIONAL LEVELS, COMBINED WITH THE MOST ADVANCED TECHNOLOGIES AVAILABLE AND TESTS CONDUCTED CONSTANTLY AT THE DAINESE LABORATORIES ALL THIS HAS MADE IT POSSIBLE TO DESIGN A PRODUCT OFFERING MAXIMUM COMFORT AND PERFORMANCE.

## SAFETY SYMBOLS AND SIGNAL WORDS

In this Operation Manual and on the product, safety symbols and signal words are used to indicate important safety information. This section is provided to improve understand of these signal words and symbols.



This is the safety alert symbol. It is used to alert you to potential physical injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

**WARNING!** or **WARNING!** indicates a hazardous situation that, if not avoided, could result in death or serious injury.

**NOTE** is used to address miscellaneous practices not related to personal injury.

## WARNING!

**At the time of purchase make sure that you check carefully, together with the dealer, your body measurements and choose the right size.**

Before using the D-AIR STREET SMART JKT read this Informative Note carefully and make sure that you understand it correctly. Contact your nearest DAINESE service center (see list below) if you have any problems or doubts regarding use of the D-AIR STREET SMART JKT. Keep this Informative Note handy for future reference. Dainese S.p.A reserves the right to improve the electronic components and control software of the D-AIR STREET SMART JKT at any time without prior notice.

## WARNING!

The D-AIR STREET SMART JKT system you have purchased (hereinafter "System" and/or "D-AIR STREET SMART JKT") is PPE (Personal Protective Equipment) developed to be integrated only in specifically designed garments. The D-AIR STREET SMART JKT system gives airbag protection to the chest area and covers the central area of the back with an airbag.

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I M P O R T A N T  
S A F E T Y  
I N F O R M A T I O N

A few general suggestions for the use of the system are provided below. For greater detail, read the corresponding parts of the text below.

**⚠ WARNING!**

The D-AIR STREET SMART JKT is developed to be integrated in specifically designed garments. If you intend to use the garment containing the D-AIR STREET SMART JKT (such as a Vest) over or under another protective garment, make sure to choose the size depending on the planned use.

If you intend to use the garment containing the D-AIR STREET SMART JKT (such as a Vest) under another protective garment, make sure to check that there is sufficient space in the central part of the back and chest area for expansion of the airbag (calculated as around 5 cm).

**TRIGGERING OF THE D-AIR STREET SMART JKT UNDER A GARMENT THAT IS TOO TIGHT OR DOES NOT LEAVE SPACE FOR EXPANSION OF THE AIRBAG COULD CAUSE SERIOUS INJURY TO THE USER**

**The D-AIR STREET SMART JKT has been designed for use by adults only.**

Motorcycling is an intrinsically dangerous activity, which may result in personal injury or death. While all riders should wear appropriate protective equipment, no product or protecting system can offer complete protection against injury or damage of any kind in the event of a fall, collision, impact, loss of control or otherwise. Each individual rider should be familiar with the activity in question, recognize the wide range of foreseeable hazards and decide whether to assume the risks inherent in such activity. Dainese disclaims any and all liability for damage and injury incurred while wearing any of its products.

Use of the D-AIR STREET SMART JKT does not exempt the user from wearing a Helmet.

People who wear pacemakers or other medical devices should not use the system as electric disturbance might interfere with correct operation of these devices.

People with back or neck problems, or who have recently undergone abdominal/chest surgery, should not use the System.

Neither the driver nor the passenger should have silicone breast implants. The risk of rupturing the implants in the event of inflation has not been evaluated.

Neither the driver nor the passenger should be pregnant. It is not possible to perform tests to determine the consequences in the event of triggering of the System.

Make sure that there are no items in pockets or in backpacks that could perforate or damage the airbag in the event of an accident.

Never sew or modify your D-AIR STREET SMART JKT or its components in any way. Modification of any nature could compromise the functionalities of the D-AIR STREET SMART JKT and consequently its protective functions in the event of a fall or accident. Never place decorations, tapes or patches over the area in which the airbag is positioned. Never connect any kind of electric

equipment or external battery to the existing cables. D-AIR STREET SMART JKT components can only be modified by authorized Dainese operators.

The D-AIR STREET SMART JKT system does not guarantee protection on motorcycles that are switched off or electric vehicles under 10 km/h. Start&Stop mode should be disabled in order to also make use of the protection against impact with another vehicle.

To make the best use of its functionalities, the D-AIR STREET SMART JKT must be installed, registered and worn correctly, carefully following the instructions and warnings provided in this Informative Note.

The passenger must only use helmets with a chin guard. Any body piercings may increase any feeling of pain in the event of triggering.

Do not switch on the D-AIR STREET SMART JKT when it is not being worn or when you are wearing it but not using a motorcycle. If used incorrectly the D-AIR STREET SMART

JKT can trigger inappropriate inflation that could damage property or even pose a risk for people's safety. Always make sure that the D-AIR STREET SMART JKT has been switched off before transporting it anywhere. The D-AIR STREET SMART JKT must be switched off when not in use. Do not charge the D-AIR STREET SMART JKT while wearing it.

Do not leave the D-AIR STREET SMART JKT charging close to flammable surfaces or objects.

Keep children away from the D-AIR STREET SMART JKT in order to avoid all possible personal risk.

Whenever signs of malfunction appear, switch off the System, and contact the Dainese Technical Assistance Service.

In the event of the System being triggered, do not use it again until the airbag has been replaced by the DAINESE Technical Assistance Service.

In the event of damage to the D-AIR STREET SMART JKT contact the DAINESE Technical Assistance Service.

The system is sensitive to sudden body movements and to shocks, therefore wearers must never perform manoeuvres not associated with normal riding (wheelies, side skidding, etc).

Before starting out using the D AIR STREET SMART JKT always make sure that system has correctly identified the GPS signal or the vehicle vibrations (steady green LED), as the System will only be activated in these cases.

The D-AIR STREET SMART JKT is a new, intelligent device to be used on the road. There are no physical/mechanical connections between the motorbike and the user. The System can identify impact against an obstacle, impact against a vehicle, highside and lowside with and without tumbling.

During inflation of the airbag device slight pressure may be felt in the body region subjected to the pressure of the airbag System.

The D-AIR STREET SMART JKT should be used exclusively within a temperature range between 0°C and 40°

C; important. Prolonged exposure of the System to temperatures outside a range between 0°C and 40°C may compromise its correct operation.

The D-AIR STREET SMART JKT is subject to wear based on effective conditions of use. Before using the D-AIR STREET SMART JKT or putting it away, always check for signs of wear or damage.

Even if it is operating correctly, contact the Dainese Technical Assistance Service once every 3 years for a maintenance check and the servicing of any components subject to wear. Correct maintenance is essential for the correct operation of the system.

Rainproof jackets can be worn over the garment.

Backpacks or the like can be worn outside the garment.

Keys, mobile phones and other devices and accessories should be placed in the outside pockets of your garment.

Before each use, the functionality of the D-AIR STREET SMART JKT must be carefully checked following the instructions in this Informative Note. Whenever there is a

state of error or any other anomaly, do not use the D-AIR STREET SMART JKT and contact the nearest DAINESE Technical Assistance Service.

The D-AIR STREET SMART JKT is formed of a pneumatic-technology chest and central back protector and offers the best performance in terms of protection at speeds up to 50 km/h.

# 1.1. GLOSSARY

TERM	DEFINITION
SYSTEM ACTIVATED	THE SYSTEM IS IN THE CONDITION IN WHICH IT IS ABLE TO INFLATE THE AIRBAG. THE SYSTEM CAN PROTECT THE CHEST AND THE CENTRAL BACK AREA IF EVENTS THAT CAUSE TRIGGERING OF THE SYSTEM OCCUR (SEE PARAGRAPH 3.4)
SYSTEM DEACTIVATED	THE SYSTEM IS IN THE CONDITION IN WHICH IT IS UNABLE TO INFLATE THE AIRBAG. THE SYSTEM WILL NOT PROTECT THE CHEST AND SPINE.



# I N T E N D E D U S E

## 2.1. OVERVIEW

The D-AIR STREET SMART JKT is an innovative system for the safety of motorbike riders designed for use on the road. The D-AIR STREET SMART JKT is integrated into specifically designed garments for use by the motorcyclist and/or the passenger and is CE certified as Personal Protective Equipment (PPE), as described in detail in chapter 2.3 below.

### **⚠ WARNING!**

**Never use the D-AIR STREET SMART JKT for other purposes than those for which it was designed.**

**Do not use the D-AIR STREET SMART JKT for motocross, super-motard, trial, off-road or other sports.**

**The D-AIR STREET SMART JKT does not offer any additional protection in the areas not covered by it.**

**The D-AIR STREET SMART JKT does not offer any additional protection in the areas covered by the airbag during events that do not cause triggering and inflation of the airbag. To ensure limited chest and back protection in these events, the D-AIR STREET SMART JKT must always be worn together with composite chest and back protectors.**

## 2.2. PROTECTION OFFERED BY THE D-AIR STREET SMART JKT PROTECTIVE DEVICE

In view of the particular protection offered by the D-AIR STREET SMART JKT protective device, it must be considered Personal Protective Equipment (PPE) and is therefore subject to the requirements established by Regulation (EU) 2016/425. The D-AIR STREET SMART JKT protective device covered by this Informative Note must be considered **Class 2 PPE** according to Regulation (EU) 2016/425, namely PPE to which DAINESE may affix the CE mark only once the product has passed the "EU type examination" at a notified body.

The Notified Body that certified your D-AIR STREET SMART JKT is:

EU NOTIFIED BODY No. 2008 DOLOMITICERT Scarl, Zona industriale Villanova 7/A - 32013 LONGARONE (BL) better specified in the CERTIFICATIONS/APPROVALS section of this

Informative Note.

Conformity with the essential health and safety requirements established by Regulation (EU) 2016/425 has also been achieved on account of compliance of the D-AIR STREET SMART JKT Personal Protective Equipment with the following technical specifications:

- DOLOMITICERT - Technical disciplinary for inflatable protectors with electronic activation Revision n° 4 of October 14th, 2018.

These technical specifications are based, among others, also on the following document:

- EN 1621-4:2013 Motorcyclists' protective clothing against mechanical impact - Part 4: Motorcyclists' inflatable protectors - Requirements and test methods.

TABLE 1: PERFORMANCE OF THE DEVICE

## 2.3. PROTECTIVE PERFORMANCE OF THE D-AIR STREET SMART JKT

The System to which this Informative Note refers must be considered Class 2 Personal Protective Equipment (PPE) as it has been designed and produced to provide limited protection against the risks of mechanical impact in the event of a fall. For the performance levels achieved by the D-AIR STREET SMART JKT Personal Protective Equipment in tests to determine the Level of protection offered refer to Table 1.

CHEST AREA (AIRBAG PROTECTOR), TESTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS APPLIED					
PROTECTOR IDENTIFICATION CODE	STANDARD USED FOR THE TEST METHOD APPLIED IN TESTS	TEMPERATURE [°C] AT WHICH THE PROTECTOR WAS TESTED	FORCE TRANSMITTED WITH IMPACT ENERGY OF 50 J, [(*) AFTER HYDROLYTIC TREATMENT]  VALUE AVERAGE/MAXIMUM	DISTRIBUTION OF THE FORCE TRANSMITTED WITH IMPACT ENERGY OF 50 JOULE (OPTIONAL TEST)  VALUE AVERAGE/MAXIMUM	(LEVEL 1/2 IN COMPLIANCE WITH THE TECHNICAL SPECIFICATIONS APPLIED)  LEVEL 1 REQUIREMENTS: AVERAGE VALUE ≤ 4.5 kN, SINGLE IMPACT FORCE ≤ 6 kN.  LEVEL 2 REQUIREMENTS: AVERAGE VALUE ≤ 2.5 kN, SINGLE IMPACT FORCE ≤ 3 kN.
D-AIR STREET SMART JKT.1	prEN1621-3:2015	+ 23°C	AVERAGE: 2.11 kN MAXIMUM: 2.20 kN	AVERAGE: 0,80 kN MAXIMUM: 1,06 kN	2
D-AIR STREET SMART JKT.2	prEN1621-3:2015	+ 23°C	AVERAGE: 2.28 kN MAXIMUM: 2.58 kN (*) 2.22 kN	AVERAGE: 0,77 kN MAXIMUM: 0,93 kN	2

**CENTRAL BACK (AIRBAG PROTECTOR),  
TESTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS APPLIED**

PROTECTOR IDENTIFICATION CODE	STANDARD USED FOR THE TEST METHOD APPLIED IN TESTS	TEMPERATURE [°C] AT WHICH THE PROTECTOR WAS TESTED	FORCE TRANSMITTED WITH IMPACT ENERGY OF 50 JOULE [(*) AFTER HYDROLYTIC TREATMENT]  <i>VALUE AVERAGE / MAXIMUM</i>	(LEVEL 1/2 IN COMPLIANCE WITH THE TECHNICAL SPECIFICATIONS APPLIED)  LEVEL 1 REQUIREMENTS: AVERAGE VALUE ≤ 4.5 kN, SINGLE IMPACT FORCE ≤ 6 kN.  LEVEL 2 REQUIREMENTS: AVERAGE VALUE ≤ 2.5 kN, SINGLE IMPACT FORCE ≤ 3 kN.
D-AIR STREET SMART JKT .1	EN 1621-2:2014	+ 23°C	AVERAGE: 2,58 kN MAXIMUM: 2,82 kN (* ) 2,71 kN	1
D-AIR STREET SMART JKT .2	EN 1621-2:2014	+ 23°C	AVERAGE: 2.50 kN MAXIMUM: 2.70 kN	1

In particular the D-AIR SMART JKT protective device:

- **When triggered** covers the chest area with an airbag and the central area of the back (CB - Central Back), central protector covering only the central area of the back, this type of protector does not offer protection in the shoulder blade area.
- Helps reduce neck movements during impact. The D-AIR STREET SMART JKT limits possible head to neck angles and reduces helmet movements
- Gives a “stealth” protection: comfort and ergonomics.

Protective performance is related to correct choice of the garment specifically designed with the D-AIR STREET SMART JKT integrated following the indications provided in Chapter 2.5.

The D-AIR STREET SMART JKT in the certification phase has been tested and can be integrated with the following PPE, “V. D-AIR S 1321 TEX and V. D-AIR S 1322 TEX L. “corresponding with the following trade names, “1D20024 SMART JACKET and 2D20024 SMART JACKET LADY”.

This list does not represent the full range of garments specifically designed with the D-AIR STREET SMART JKT integrated; it is purely an indication referring to the garments used in the Certification tests.

**The range and the number of products specifically designed with the D-AIR STREET SMART JKT integrated evolves as Dainese collections change.**

## 2.4. INSTRUCTIONS FOR UNDERSTANDING THE MARKING ON THE D-AIR STREET SMART JKT PROTECTIVE DEVICE

Protector marking established both by Regulation (EU) 2016/425 and by the technical documents applied.

To learn the meaning of the indications provided on the marking of the device refer to Table 2.

TABLE 2: DEVICE MARKING

The Marking is indicated on a label stitched to the protector. The label contains the following information:

	Manufacturer's Name and Trademark	<b>1</b>	Indication of the performance level of the inflatable protector for the centre back area ( <b>CB - Central Back</b> ), according to the technical specifications applied.
	CE marking certifying that the protective garment complies with the requirements of Regulation (EU) 2016/425	<b>CB</b>	Specification of the body area protected according to the standard EN 1621-2:2014. ( <b>CB - Central Back</b> ) = Central protector, covering only the central area of the back, this type of protector does not offer protection in the shoulder blade area.
	Pictogram indicating the need to read the Instructions for Use attached to the protector		
<b>D-AIR STREET SMART JKT.1</b>	<ul style="list-style-type: none"> <li>• (<b>D-AIR STREET SMART JKT</b>) Protector identification code; each protector model is allocated a different in-house code.</li> <li>• (<b>.1</b>) <b>The numeric extension of the code .1 .2, identifies a different System size.</b> The value can range from 1 to 2 (.1 small, .2 large size)</li> </ul>	<b>2</b>	Indication of the performance level of the chest inflatable protector ( <b>DC = Divided Chest</b> ), according to technical specifications applied.
<b>STREET</b>	Indication of the specific type of use for which the inflatable protector was designed. STREET designed exclusively for road use		<b>DC</b>
<b>AIRBAG</b>	Indicates that the protector is inflatable		<b>TYPE A</b>
	Pictogram indicating the exclusive use of the protector for motorcycle riders		( <b>DC = Divided Chest</b> ) Specification of the body area protected, as established by Standard prEN1621-3:2015.
			Size of the protector, supplied with indication of the distance between the waist and shoulder of the user, for correct choice of the protector. To find the size of the protected area, refer to table 4.
			Specification of the size of the protected area, as established by Standard prEN 1621-3:2015, TYPE A or TYPE B (smaller for TYPE A). To find the size of the protected area, refer to table 4.



In addition to this information provided on the CE marking, coded information that Dainese uses for product traceability may also be provided. Such coding is provided in smaller letters and numbers in a lower position. Such coding may also appear in other versions of the marking.

## 2.5. HOW TO CHOOSE AND WEAR THE D-AIR

### STREET SMART JKT

Equipment must be chosen with attention to the indications and the symbols on the marking.

To choose the correct D-AIR STREET SMART JKT back and chest protector, refer to the distance between waist and shoulder, as there is no constant relation with body height.

This is the maximum vertical length, measured at the back, from the waistline to the point in which the shoulder joins the neck. To find the waistline, stand upright and pass a measuring tape around your waist 50 mm above the iliac crests.

**TABLE 3: ILIAC CREST DISTANCES**

HEIGHT OF WEARER (m)	1.56	1.60	1.64	1.68	1.72	1.78	1.82	1.88	1.92	1.96
DISTANCE ABOVE THE ILIAC CRESTS (mm)	44	45	46	47	48	50	51	53	54	55

*"Note: 50 mm is an example that refers to a person with a height of 1.78m, this measurement should be decreased in proportion to the person's actual height; some examples are indicated in table 3."*

To find the D-AIR STREET SMART JKT most suited to the distance between your waist and shoulder consult Table 4 in the section (Position and minimum sizes of the areas protected by the D-AIR STREET SMART JKT).

In order for a protective device to perform its protective action correctly, the body area to be protected must remain efficiently covered.

The D-AIR STREET SMART JKT is a Protective Device developed to be integrated in specifically designed garments only.

To ensure correct protection, in addition to the measuring of the distance between waist and shoulder (see Table 4), particular care should be taken when choosing the size of the garment specifically designed with the D-AIR STREET SMART JKT integrated, carefully reading the Informative Note provided with the garment.

#### **⚠ WARNING!**

**Never use the D-AIR STREET SMART JKT without first having closed all the fastening systems of the garment in which it is integrated. In particular close the front zip completely; otherwise it could be dangerous and/or FAIL TO protect in the event of triggering.**

**Do not choose too large a size of D-AIR STREET SMART JKT, as if triggered it could interfere with the helmet, creating dangerous situations.**

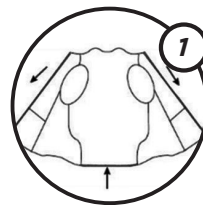
After putting on the garment with the D-AIR STREET SMART JKT integrated, check that any passive protectors present in the shoulder areas are correctly positioned.

At the time of purchase carefully check the size of your garment fitted with the D-AIR STREET SMART JKT system. When choosing the D-AIR STREET SMART JKT always refer to the distance between waist and shoulder, as only one size cannot adapt to all body sizes (height and shape).

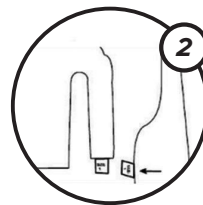
## 2.6. HOW TO INSTALL OR REMOVE THE D-AIR STREET SMART JKT FROM THE SPECIFICALLY DESIGNED GARMENT

To install the D-AIR STREET SMART JKT, proceed as described below, referring to Figure 1;

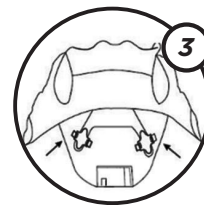
**FIGURA 1:**  
**FIGURE 1: INSTALLING AND REMOVING THE SYSTEM**



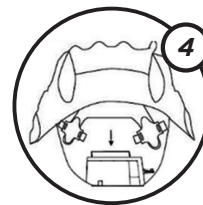
OPEN THE GARMENT AND THE INTERNAL ZIP AT THE BOTTOM OF IT



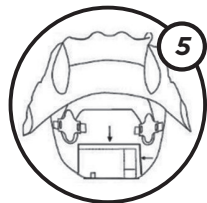
CHECK THAT THE SIZE INDICATED ON THE AIRBAG CORRESPONDS TO THE SIZE INDICATED ON THE INTERNAL POCKET PROVIDED TO CONTAIN THE DEVICE



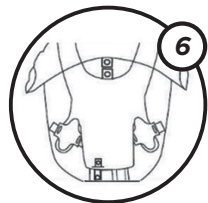
TURN THE GARMENT WITH THE BACK FACING YOU, FOLD THE LOWER PART AND INSERT THE GENERATOR HOLDERS, THEN ATTACH THEM TO THE TABS ON THE SIDES



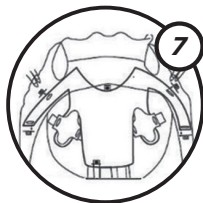
INSERT THE CASE CONTAINING THE ELECTRONICS WITH THE RELATIVE CABLES IN THE SPECIAL POCKET



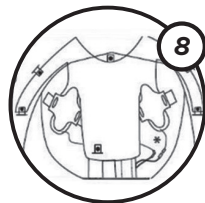
CLOSE THE TOP AND BOTTOM OF THE POCKET FLAP



POSITION THE BAG MAKING SURE THAT NO PARTS OF THE BAG ARE FOLDED OVER, THAT IT IS NOT ROLLED AROUND ITSELF AND THAT IT IS LYING FLAT. USE THE SPECIFIC STRAPS TO ATTACH THE TOP AND THE BOTTOM OF THE BAG



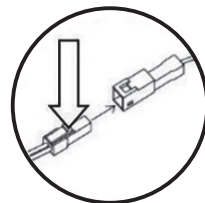
HOLD THE FABRIC PARTS FIRMLY AND INSERT THE FRONT PART OF THE AIRBAG BY SLIPPING THE TWO ARMS INTO THE SPECIAL POCKETS AND ATTACHING THEM WITH THE STRAPS FOR THIS PURPOSE



CONNECT THE CONNECTORS. CONNECT THE INDIVIDUAL CONNECTORS OF THE GENERATOR FIRST, THEN THE OTHER

Proceed as follows to remove the D-AIR STREET SMART JKT:

- Turn the garment with the back facing you and fold the lower part.
- Remove the system following the installation process from points 8 to 3 in reverse order. Remember to disconnect the parts described above (airbag, connectors, electronics case and generator holder).



**⚠ WARNING!**

**Connection of the cables as indicated above is essential to enable switching on and correct operation of the System. If the bag is not lying flat, this could be dangerous in the event of triggering.**

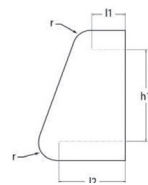
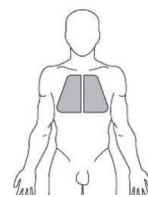
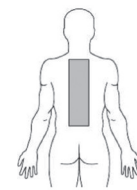
Should you encounter difficulties or require additional information on how to install or remove the D-AIR STREET SMART JKT, contact your nearest DAINESE Technical Assistance Service.

## 2.7. POSITION AND MINIMUM SIZE OF THE AREAS PROTECTED BY THE D-AIR STREET SMART JKT

Table 4 below indicates the minimum size of the protected areas and shows the positions of the body areas protected by the D-AIR STREET SMART JKT protective device.

TABLE 4 - POSITION AND MINIMUM SIZE OF THE PROTECTED AREAS

PROTECTOR IDENTIFICATION CODE	AIRBAG PROTECTOR BACK AREA (CB = Central Back)			AIRBAG PROTECTOR CHEST AREA (DC = DIVIDED CHEST)				
	WAIST-SHOULDER	A (cm)	F (cm)	TYPE	R (mm)	L1 (mm)	L2 (mm)	H1 (mm)
D-AIR STREET SMART JKT.1	41 - 46	33,1	11,5	TYPE A	25	42	84	118
D-AIR STREET SMART JKT.2	46 - 51	36,7	12,8	TYPE A	25	42	84	118





## 2.8. USE, INTEGRITY AND EFFICIENCY OF THE D-AIR STREET SMART JKT

The functions for which D-AIR STREET SMART JKT was designed will only be performed correctly if it is correctly installed, registered and properly worn and switched on.

Whenever the System has been triggered and/or in case of impact, have the D-AIR STREET SMART JKT reset by the Dainese

Technical Assistance Service, either through the dealer from which the product was originally purchased, or by contacting the

Dainese Technical Assistance Service directly.

### **⚠ WARNING!**

**IMPORTANT: The D-AIR STREET SMART JKT serves to reduce the risk of injury by limiting the impact force transferred in the event of a fall and impact against an obstacle. However, it is stressed that no protector is able to protect from twisting, bending or extreme movements. No back protector can provide protection against serious injuries of the spinal column. PROTECTIVE DEVICES CANNOT PROVIDE PROTECTION AGAINST ALL POSSIBLE IMPACT IN ACCIDENTS AND THEREFORE CANNOT PROVIDE COMPLETE PROTECTION AGAINST INJURIES.**

### **⚠ WARNING!**

Spare parts may be required for the D-AIR STREET SMART JKT; for example, the airbag can be replaced with new airbags after triggering. Original Dainese spare parts of the same size and model must always be used to replace these parts.

To obtain original Dainese spare parts, contact the retailer from whom the product was purchased or consult the website [www.dainese.com](http://www.dainese.com).

To replace any parts, refer to the Informative Note provided with the spare part.

## 2.9. INFORMATION ON THE MATERIALS USED

It is hereby certified that the materials that come into contact with the wearer have been produced with suitable non-toxic and non-harmful products, as established by EC Regulation 1907/2006 (REACH) - Annex XVII. It is specified that as established by Regulation EC 1907/2006 (R.E.A.C.h), such materials have no azo colorants capable of releasing dangerous aromatic amines through the cleavage of one or more azo groups - Annex XVII. Moreover, the articles marketed do not contain any Substances of Very High Concern (SVHC), identified according to Article 59 and listed in the Candidate List published by the ECHA (European Chemical Agency), in concentrations greater than 0.1% weight/weight.

## 2.10. DURATION OF THE D-AIR STREET SMART JKT PROTECTIVE DEVICE

The duration of a protective device depends on its frequency of use and the care with which it is stored by the user

In any case, contact the Dainese Technical Assistance Service once every 3 years to request a maintenance check or servicing (for a charge) of any components subject to wear.

### **⚠ WARNING!**

**DAINESE does not guarantee the suitability of the device and therefore shall in no way be held liable if the product is used after expiry of the time limit established for servicing/maintenance if this has not actually been performed.**

Before each use check the D-AIR STREET SMART JKT for signs of wear, breakage or damage and if in doubt, contact the Dainese Technical Assistance Service or an authorized Dainese dealer.

# DESCRIPTION OF THE D-AIR STREET SMART JKT AIR-BAG PART

## 3.1. OVERVIEW

The D-AIR STREET SMART JKT is an innovative system for the safety of motorbike riders designed for use on the road.

The D-AIR STREET SMART JKT can be worn by the rider and by the passenger of the motorbike.

### 3.1.1. ELECTRONICS

The D-AIR STREET SMART JKT is controlled by electronics that trigger inflation of the system whenever one of the pre-set conditions arises. The system has an internal diagnostics routine and whenever malfunction occurs, the user interface LED will begin flashing red and vibrating.

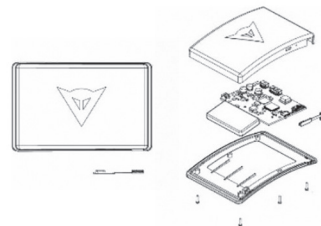
The electronic unit is powered by a Li-Ion rechargeable battery whose charge level is indicated whenever the device is switched on/off by a series of flashes. See paragraph 3.1.4. ""Batteries and battery life of the System".

### ⚠ WARNING!

**In the event of malfunction do not use the System (user interface red flashing and vibrating LED). In this case contact the DAINESE Technical Assistance Service. People who wear pacemakers or other medical devices should not use the System as electric disturbance might interfere with correct operation of these devices.**

The electronic system is contained inside the back protector present in the D-AIR STREET SMART JKT, inside a special housing, represented in Figure 2.

FIGURE 2: ELECTRONIC SYSTEM



The electronic part is contained inside the case; it is powered by rechargeable batteries positioned inside it and controls operation of the System in the garment.

The operating status is controlled by a remote switch on/switch off system, while the battery level can be checked using the user interface LED.

**⚠ WARNING!**

**The electronic system housing is sealed by DAINESE during manufacture. Tampering with this seal invalidates the product warranty. Do not tamper with and/or remove the electronic system. Contact the nearest DAINESE Service Centre in case of need.**

### 3.1.2. USER INTERFACE

The user interface is formed of a small LED and a VIBRAMOTOR installed on a specific part of the front left side of the garment. The purpose of the interface is to communicate the information required by the user. Notes for the correct comprehension and use of the D-AIR STREET SMART JKT user interface are provided below.

### 3.1.3. AIRBAG

The D-AIR STREET SMART JKT incorporates an airbag that contains a high pressure gas canister for inflation of the airbag.

### 3.1.4. BATTERIES AND BATTERY LIFE OF THE SYSTEM

When completely charged, the system should be capable of staying on for around 26 hours of use. Whenever the rider makes no significant movements for more than 5 minutes (static electronic system), the System automatically enters stand-by status in order to minimize consumption. As soon as significant movements resume, the System switches back on.

The battery is not subject to memory effect, and therefore the System can be completely charged in any moment.

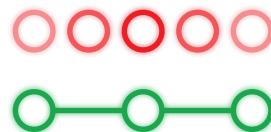
For more information on battery operation and charging, see paragraph 3.6. "Checking the battery charge level and charging".

The time required to charge the system completely is around 4 hours.

### 3.1.5. USB BATTERY CHARGER

A USB charger with output 5 V 1000 mA can be used to charge the system. The time required to charge the system completely is less than 4 hours. Whenever an USB charger is not available, the battery can be charged by connecting the USB cable directly to a computer; in this case charging could take longer.

Once the USB cable has been connected to the charging source, the user interface LED will initially light up blinking red. When 100% of the full charge has been reached, the LED will turn flashing green.



## 3.2. REGISTERING THE SYSTEM AFTER PURCHASE

AFTER PURCHASING THE D-AIR STREET SMART JKT SYSTEM AND BEFORE INITIAL USE, TO ENSURE CORRECT TRACEABILITY FOR UPDATES/COMMUNICATIONS/RECALLS, IT IS NECESSARY TO PROVIDE DAINESE WITH INFORMATION ON THE OWNER OF D-AIR STREET SMART JKT THROUGH THE SERVICES OFFERED BY DEALERS OR BY THE DAINESE WEBSITE.

### **⚠ WARNING!**

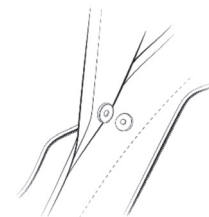
If the information regarding the owner-user of the D-AIR STREET SMART JKT is not registered, operation of the system will be disabled, and therefore it will NOT protect the user.

## 3.3. SYSTEM ON/OFF PROCEDURES

Make sure that the System's batteries are fully charged, the battery charge has a duration of around 26 hours; charge your D-AIR STREET SMART JKT before the battery charge runs down completely and whenever possible.

- 1 After having put on your garment with D-AIR STREET SMART JKT integrated correctly (see paragraphs above) carefully close the switch on / switch off buttons, then close the zip positioned on the abdomen completely, as indicated in Figure 3 below.

FIGURE 3: SWITCH-ON/SWITCH-OFF BUTTONS



**2** Before getting onto the motorcycle, check correct operation of the system indicated by a steady blue LED (see user interface chapter). In this condition, the system is operating correctly but is NOT activated and therefore does NOT protect the chest.

FIGURE 4: SEQUENCE INDICATING THAT THE SYSTEM IS OPERATING CORRECTLY BUT IS NOT ACTIVATED.



**3** Before starting out using the D-AIR STREET SMART JKT always check that the system has correctly identified the GPS signal or the vehicle vibrations (steady green LED), as the System will only operate correctly and be activated in this condition.

FIGURE 5: SEQUENCE INDICATING THAT THE SYSTEM IS OPERATING CORRECTLY AND IS ACTIVATED



**4** After you have finished using the System, deactivate the D-AIR STREET SMART JKT immediately by opening the switch-on/switch-off button. During transportation, place the system in shipping mode.

**⚠ WARNING!**

When the System is not in use, always make sure that the button do not close the contact. In the event of unintended contact causing switch-on, the system could be triggered accidentally during transport.

**3.3.1. CHECKING CORRECT FUNCTIONALITY OF THE SYSTEM**

Always check System functionality before use. Use of the system when signs of anomaly appear must be considered as being performed at the user's own risk.

After putting on the System, switch it on and step outside where the GPS signal can be correctly received. When you see a single steady blue LED signal, this means that the System is ready for use. For more details, check the flashing codes in the previous paragraph "Guide to user interface LED sequences during use".

**⚠ WARNING!**

Before using the D-AIR STREET SMART JKT always make sure that the System has correctly identified the GPS or identified the vehicle vibrations (steady green LED), as the System will only be activated in these cases.

### 3.4. TRIGGERING OF THE D-AIR STREET SMART JKT

THE SENSORS INSTALLED INSIDE THE CASE OF THE D-AIR STREET SMART JKT CONSTANTLY MONITOR ITS DYNAMICS; INFORMATION FROM THE SENSORS IS PROCESSED BY THE CENTRAL UNIT AND, IF THE VALUES REGISTERED EXCEED THE PRE-SET THRESHOLDS, THE SYSTEM INFLATES THE AIRBAG.

THE ROAD ACCIDENT CONDITIONS FOR WHICH THE D-AIR STREET SMART JKT SYSTEM IS TRIGGERED ARE:

- IMPACT WITH AN OBSTACLE;
- IMPACT WITH A VEHICLE;
- HIGHSIDE;
- LOWSIDE WITH TUMBLING;
- LOWSIDE WITHOUT TUMBLING.

The impact conditions for which the D-AIR STREET SMART JKT System has received certification are described in Figures 6, 7, 8 and 9.

The D-AIR STREET SMART JKT inflation time can vary according to circumstances and the intensity of the event considered and has been designed to remain inflated for around 5 seconds after being triggered.

The system is activated and ready to trigger the airbag when one of the following two conditions occurs:

- Presence of vehicle vibrations;
- Speed exceeding 10km/h.

The system is deactivated and will thus NOT BE activated and NOT ready to trigger the airbag when both of the following two conditions occur:

- Absence of vehicle vibrations;
- Speed below 10km/h.

#### **⚠ WARNING!**

**The D-AIR STREET SMART JKT will NOT be activated if the vehicle vibrations are not recognized and the speed is below 10km/h. When the vehicle is on (steady green LED) the system will be activated both when no GPS signal is present and at speeds below 10km/h. If the GPS signal is unavailable or is temporarily lost while riding (e.g. while travelling through a tunnel), the D-AIR STREET SMART JKT is maintained either disabled or enabled, based on the last speed value detected via GPS and based on the vibrations coming from the vehicle.**

**The D-AIR STREET SMART JKT system may NOT remain activated when stopped and thus be ready to trigger the airbag in motorcycles equipped with Start&Stop or electric motorcycles at speeds below 10 km/h. Start&Stop mode should be disabled to make use of the protection against impact with another vehicle.**

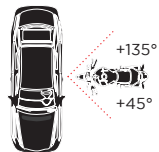


FIGURE 6: ANGLE OF INCIDENCE AGAINST THE OBSTACLE AND IMPACT WITH A VEHICLE

FIGURE 7: HIGHSIDE - PROGRAMMED INFLATION

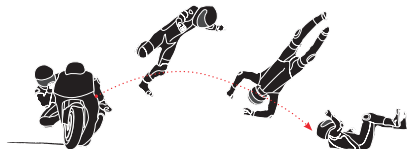


FIGURE 8: LOWSIDE WITH TUMBLING - PROGRAMMED INFLATION

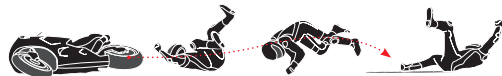


FIGURE 9: LOWSIDE WITHOUT TUMBLING - INFLATION PROGRAMMED



**⚠ WARNING!**

“The system will not trigger during events of moderate degree, such as small wheelies or slight wobbling; however, particularly violent episodes of these movements might cause triggering and consequent inflation of the System.” Therefore, acrobatic manoeuvres not usually performed during racing must be avoided when the system is switched on.

The D-AIR STREET SMART JKT has been designed to trigger in cases of Lowside; in this condition triggering occurs at the time of contact with the road surface, and therefore the protection provided is against subsequent impacts that can occur after this event.

“In the case of direct impact between the motorcycle and another vehicle or object in general, the D-AIR STREET SMART JKT is effective for the “second impact”, i.e. the system inflates before the impact with other objects, such as the road surface, and not the obstacle of direct impact of the motorcycle.

The System may not be triggered immediately after impact of the motorcycle against an obstacle, as the sensors that identify the condition for activation are integrated inside the D-AIR STREET SMART JKT and not installed on the vehicle itself. Therefore, in the case of impact of the motorcycle

against a car, the D-AIR STREET SMART JKT may not inflate before the impact of the user against this obstacle (“first impact”). The D-AIR STREET SMART JKT has been designed to remain inflated for 5 seconds after it is triggered.

Various types of inflatable protective systems for motorcycling that use air-bags are available on the market. Before purchasing the D-AIR STREET SMART JKT, the user should consider the various types of protective systems.

**3.4.1. WHAT TO DO IF THE D-AIR STREET SMART JKT IS TRIGGERED**

When triggered, the system will inflate and subsequently deflate completely in around 30 seconds. The bag can only inflate once, and must be replaced after each inflation. Contact the DAINESE Technical Assistance Service for the replacement procedure. Alternatively, contact your nearest DAINESE dealer for more information.

**⚠ WARNING!** In the event of a fall during which the System is triggered, do not use it again until the airbag has been replaced by the DAINESE Technical Assistance Service, as the System will not function.



## 3.5. GUIDE TO USER INTERFACE LED SEQUENCE DURING USE

The user interface is formed of a multicolour LED and a VIBRAMOTOR positioned on a specific part of the front left side of the garment into which the D-AIR STREET SMART JKT is integrated (see diagram of the system in Fig. 10). Possible colours are: red, yellow, green and blue. The VIBRAMOTOR vibrates when the red LED switches on.

- 1 After closing the switch-on/switch-off button positioned on the chest strip and thus switching on the System, the interface will show a Red, Green, Yellow and Blue sequence of LEDS to indicate that the interface is operating correctly. If the colors displayed are not correct, contact the Dainese Technical Assistance Service or an authorized Dainese dealer. The VIBRAMOTOR will vibrate once, for one second, when the red light switches on.

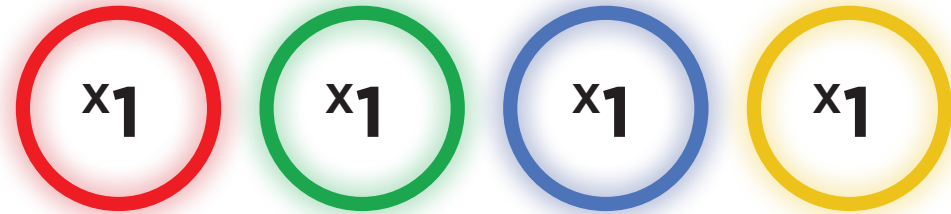


FIGURE 10: EXAMPLE OF THE INTERFACE VERIFICATION SEQUENCE

### **⚠ WARNING!**

Before using the D-AIR STREET SMART JKT always make sure that, upon switching on, the interface is communicating correctly by checking the Red, Green, Yellow and Blue sequence of LEDS and the VIBRAMOTOR vibration. If there is no sequence or it is incorrect, charge the system and try again; if the problem persists contact the Dainese Technical Assistance Service or an authorized Dainese dealer.

**2** After indicating that the interface is operating, it will show the residual charge in the system battery, with a sequence of five green, yellow or red LEDS flashing with a frequency of around 1Hz:



**FIGURE 11: EXAMPLE OF FLASHING SEQUENCE INDICATING BATTERY CHARGE LEVEL**

FIVE GREEN FLASHES WILL INDICATE A CHARGE AND BATTERY LIFE OF OVER 70% OF THE TOTAL;

FIVE YELLOW FLASHES WILL INDICATE A CHARGE AND BATTERY LIFE BETWEEN 20% AND 70% OF THE TOTAL;

FIVE RED FLASHES WILL INDICATE A CHARGE AND BATTERY LIFE OF BELOW 20% OF THE TOTAL.

**3** After having shown the charge level, if there are no problems a steady blue LED will light up. In this situation the system is operating correctly but is NOT activated.



**FIGURE 12: SYSTEM NOT ACTIVATED, THE SYSTEM IS READY FOR USE.**

**4** The system uses the on-board sensors (accelerometers, gyroscopes and GPS) to enable protection only when seated on a motorcycle that is switched on. In this state the LED is steady green and the thresholds are monitored to detect the conditions of Chapter 3.4.



**FIGURE 13: SYSTEM ACTIVATED, THE SYSTEM IS READY TO TRIGGER THE AIRBAG.**

- 5 STEADY RED FLASHING INDICATES THAT A SYSTEM ERROR HAS OCCURRED;** switch the D-AIR STREET SMART JKT off and back on again using the switch-on/switch-off button located on the garment in which the System is integrated. If the error persists, connect the device to the USB port of a computer and use the software available on the website [www.dainese.com](http://www.dainese.com) to run system diagnostics.



FIGURE 14:  
ERROR SEQUENCE, STEADY RED FLASHING.

Contact a Dainese technician indicating the error codes provided by the software. The user interface will indicate a system error with a continuous sequence of slow flashing red lights. The VIBRAMOTOR will vibrate intermittently when the red LED switches on.

**⚠ WARNING!**

**In the event of sudden malfunction of the D-AIR STREET SMART JKT during use with the switch-on/switch-off button closed, the same type of persistent flashing will be seen. In these cases the device might not operate, charge and run the diagnostics.**

- 6** Opening the switch-on/switch-off button present in the garment in which the System is integrated starts the System switch-off procedure. The user interface will signal system switch-off with a rapid sequence of red flashes for five seconds. The Vibramotor vibrates rapidly and intermittently for five seconds during switch-off when the red LED switches on.



FIGURE 15:  
SWITCH-OFF SEQUENCE (5 SEC) OR SUDDEN ERROR,  
FAST RED FLASHING.

### 3.5.1. FIRST USE OF THE SYSTEM

At the first use of the system the user must register the device (see 3.2) and charge the battery completely.

**1**

The system will indicate that the device has not been registered with yellow flashing at a frequency of 5Hz (5 flashes per second).



FIGURE 16:  
SEQUENCE INDICATING THE DEVICE HAS NOT BEEN  
REGISTERED, FLASHES 5 TIMES PER SECOND.

**2**

The system will indicate lack of complete charge with yellow flashing at a frequency of 1Hz (1 flash per second).



FIGURE 17:  
SEQUENCE INDICATING LACK OF COMPLETE CHARGE,  
FLASHES 1 TIME PER SECOND.









# 3

Complete charging is indicated with green flashing at a frequency of 1Hz (1 flash per second) and the device will be ready for use.










FIGURE 18:  
SEQUENCE INDICATING THAT THE REGISTRATION AND CHARGING PROCEDURE HAVE BEEN COMPLETED.

## 3.5.2. SUMMARY OF SYSTEM INDICATIONS

COLOURS	TYPE	VIBRATION	DESCRIPTION
	ALTERNATION OF COLOURS	SINGLE 1-SECOND VIBRATION INIZIALIZZAZIONE SISTEMA E	SYSTEM INITIALIZATION AND INTERFACE COLOR CHECK
	5 GREEN FLASHES	NONE	BATTERY CHARGE LEVEL > 70%: BATTERY LIFE > 17 HRS
	5 YELLOW FLASHES	NONE	BATTERY CHARGE LEVEL > 20% BUT < 70%: BATTERY LIFE BETWEEN 5 AND 17 HRS
	5 RED FLASHES	NONE	BATTERY CHARGE LEVEL < 20%: BATTERY LIFE < 5 HOURS
	STEADY BLUE	SINGLE 3-SECOND VIBRATION DURING TRANSITION	SYSTEM OPERATING, MOTORCYCLE NOT DETECTED SO NOT ACTIVATED AND NOT PROTECTIVE
	STEADY GREEN	SINGLE 3-SECOND VIBRATION DURING TRANSITION	SYSTEM OPERATING AND ACTIVATED
	QUICK RED FLASHING (5 TIMES PER SECOND)	QUICK ALTERNATING VIBRATION THROUGHOUT THE 5 SECONDS	SYSTEM SWITCHING OFF
	SLOW RED FLASHING (1 TIME PER SECOND)	SLOW ALTERNATING VIBRATION ONCE PER CONTINUOUS SECOND	SYSTEM IN ALARM MODE OR AIRBAG INFLATED

## ALTRE SEGNALAZIONI DEL SISTEMA

COLOURS	TYPE	VIBRATION	DESCRIPTION
	QUICK YELLOW FLASHING (5 TIMES PER SECOND)	NONE	SYSTEM NOT REGISTERED
	SLOW YELLOW FLASHING (1 TIME PER SECOND)	NONE	BATTERY NEVER COMPLETELY CHARGED, CHARGE SYSTEM COMPLETELY
	CHARGING, BLINKING RED FLASHING	NONE	BATTERY CHARGING
	CHARGING, SLOW GREEN FLASHING (1 TIME PER SECOND)	NONE	BATTERY COMPLETELY CHARGED
	OPERATING, RED FLASHING SUPERIMPOSED ON STEADY BLUE LED	SINGLE 1-SECOND VIBRATION EVERY TIME THE RED LED SWITCHES ON	SYSTEM OPERATING, NOT ACTIVATED AND NOT PROTECTIVE, BATTERY LEVEL BELOW 10%
	OPERATING, RED FLASHING SUPERIMPOSED ON STEADY GREEN LED	SINGLE 1-SECOND VIBRATION EVERY TIME THE RED LED SWITCHES ON	SYSTEM OPERATING AND ACTIVATED, BATTERY LEVEL BELOW 10%
	STEADY RED	NONE	SYSTEM NOT PROGRAMMED CORRECTLY

## 3.5.3. POSSIBLE MALFUNCTIONS OF THE SYSTEM

**TABELLA 5: IPOTESI DI MALFUNZIONAMENTO**

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
WHEN THE SWITCH-ON/SWITCH-OFF BUTTON IS CLOSED, THE LED REMAINS OFF	THE BATTERY IS COMPLETELY RUN DOWN	CHARGE THE SYSTEM FOR AT LEAST 1,5 HOURS
	THE SYSTEM IS IN SHIPPING MODE	CHARGE THE SYSTEM OR PRESS THE RECOVERY BUTTON
	LED CABLE OR SWITCH-ON/SWITCH-OFF NOT CONNECTED	CHECK THAT THE CABLES OF THE D-AIR STREET SMART JKT MODULE HAVE BEEN CONNECTED TO THE CONNECTORS PRESENT ON THE GARMENT
DURING USE, THE LED FLASHES, ALTERNATING GREEN OR BLUE WITH RED. THE SYSTEM VIBRATES WHEN THE RED LED FLASHES	THE BATTERY IS DRAINING FAST	CHARGE THE SYSTEM. TRY SWITCHING THE SYSTEM OFF AND BACK ON AGAIN. IF THE PROBLEM PERSISTS CONNECT THE SYSTEM TO THE SOFTWARE VIA USB AND RUN THE DIAGNOSTICS, THEN CONTACT THE DAINESE ASSISTANCE SERVICE INDICATING THE ERROR CODES
DURING USE, THE LED TURNS RED AND FLASHES AND THE VIBRAMOTOR VIBRATES SIMULTANEOUSLY	THE SWITCH-ON/SWITCH-OFF BUTTON IS OPEN OR THE UNIT HAS RECORDED A MALFUNCTION	TRY SWITCHING THE SYSTEM OFF AND BACK ON AGAIN. IF THE PROBLEM PERSISTS CONNECT THE SYSTEM TO THE SOFTWARE VIA USB AND RUN THE DIAGNOSTICS, THEN CONTACT THE DAINESE ASSISTANCE SERVICE INDICATING THE ERROR CODES

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
DURING USE THE LED SWITCHES OFF	THE SYSTEM COULD BE SWITCHED OFF; THE MAGNETIC BUTTON MIGHT NOT BE CLOSED CORRECTLY.	TRY SWITCHING THE SYSTEM OFF AND BACK ON AGAIN. IF THE SYSTEM DOES NOT SWITCH ON CHARGE THE SYSTEM AND TRY AGAIN
DURING USE, THE LED SUDDENLY STARTS FLASHING RED AND THE VIBRAMOTOR VIBRATES SIMULTANEOUSLY AND FREQUENTLY, BEFORE RETURNING TO CORRECT FUNCTIONING	THIS OCCURS WHEN THE SWITCH-ON/SWITCH-OFF BUTTON IS OPENED TEMPORARILY	CHECK THAT THE SWITCH-ON/SWITCH-OFF BUTTON IS CLOSED CORRECTLY. IF PROBLEM PERSISTS, THE CABLES MAY BE DAMAGED. CONTACT THE DAINESE TECHNICAL ASSISTANCE SERVICE
THE LED IS FLASHING STEADY YELLOW WITH A FREQUENCY OF 5HZ (5 TIMES PER SECOND)	THE SYSTEM HAS NOT BEEN REGISTERED	CONNECT THE SYSTEM TO A PC AND FOLLOW THE REGISTRATION PROCEDURE OF THE DEVICE
THE LED IS STEADY YELLOW FLASHING WITH A FREQUENCY OF 1HZ (1 TIME PER SECOND)	THE SYSTEM HAS NEVER BEEN COMPLETELY CHARGED	CHARGE COMPLETELY WAITING UNTIL THE LED TURNS STEADY GREEN
THE LED IS STEADY RED	THE SYSTEM HAS NOT BEEN PROGRAMMED CORRECTLY	CONNECT THE SYSTEM TO A PC AND FOLLOW THE REGISTRATION PROCEDURE TO UPDATE THE SYSTEM FIRMWARE

## 3.6. CHECKING THE BATTERY CHARGE LEVEL AND CHARGING

Always check the battery charge level before using the suit. Every time the System is switched on, the battery charge level is shown by a sequence of 5 flashes that indicate the System's charge level, with a frequency of around 1 Hz.




1. Five green flashes indicate a charge of over 70% of the total;  

2. Five yellow flashes indicate a charge between 20% and 70% of the total;  

3. Five red flashes indicate a charge of less than 20%.  


FIGURE 19:  
EXAMPLE OF FLASHING SEQUENCE INDICATING BATTERY CHARGE LEVEL

When the charge level is low, connect the provided charging cable to the connector located on the lower part of the case of the D-AIR STREET SMART JKT. Then connect the USB cable to the charging source as shown in figure 20.

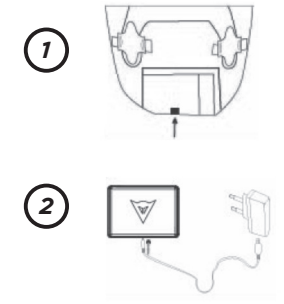


FIGURE 20:  
ILLUSTRATION OF CHARGER WITH USB CONNECTOR



If an USB charger is not available, the battery can be charged by connecting the USB cable directly to a personal computer; in this case charging could be slower.

Once the USB cable is connected to the charging source, charging is indicated by the user interface by flashing of the LED at the frequency of two flashes per second.

The LED will initially be red to indicate that the system needs charging.

When sufficient charge has been reached (around 100%), the LED will turn flashing green.

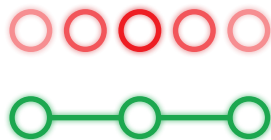


FIGURE 21:  
EXAMPLE OF FLASHING SEQUENCE  
INDICATING CHARGE LEVEL

**⚠ WARNING!**

**Never charge the System while wearing it. Always remove the D-AIR STREET SMART JKT before charging the System. Any voltage overload that occurs might jeopardize the wearer's safety.**

**Never charge the System while wearing it; the system is disabled during charging.**

Never leave the System charging close to flammable surfaces or objects. If it were to overheat during charging, this might even start a fire.

Comply with the following general precautions for the use of Lithium-Ion Polymer (Li-Po) Batteries:

Always check the level of charge of the system prior to use and charge if necessary.

Charge the System at least once every 2 months even when it has not been used in order to prevent deterioration of battery performance.

Always supervise battery charging and never leave the system unsupervised while charging is in process.

Do not disassemble the battery

Do not short circuit the battery

Do not replace the battery

Do not store the battery at temperatures exceeding 50°C

Do not dip the battery in fresh or salt water; do not wet it in general

Do not charge the battery at environmental temperatures exceeding 35°C

Do not use chargers other than those provided together with the System

Do not modify the charging process or the charging hardware

Do not expose the battery to naked flames

Do not use the battery for uses other than that for which it was designed

Never touch a leaking battery directly, should leakage occur contact a dealer or the Dainese Technical Assistance Service immediately

Do not allow children near the battery

Do not charge the battery for more than the established time

Do not place the battery in a microwave oven or in a pressurized container

Stop charging the battery if any anomalies are noted

Do not continue to use the battery if any anomalies are noted

Do not expose the battery to abnormal electrostatic charges

**⚠ WARNING!**

**If the recommendations above are violated the battery could generate smoke, rupture or catch fire with potential high risk for people's safety and the risk of causing damage to property.**

**In the event of problems related to the battery, contact the Dainese Technical Assistance Service immediately.**

# M A I N T E N A N C E O F T H E D - A I R S T R E E T S M A R T J K T S Y S T E M

#### 4.1. OVERVIEW

The D-AIR STREET SMART JKT System has been designed and produced according to high quality standards to ensure correct operation over time. However, it is advisable to carry out periodic maintenance on the system, consisting of a few simple operations.

#### 4.2. REMOVAL OF THE D-AIR STREET SMART JKT FROM THE SPECIFICALLY DESIGNED GARMENT

To remove the D-AIR STREET SMART JKT refer to the instructions in Chapter 2.6.

#### 4.3. HOW TO WASH THE GARMENT ONLY

Refer to the washing instructions inside the jacket or in the specific informative notes.

#### **⚠ WARNING!**

Before washing the garment, after separation from the D-AIR STREET SMART JKT, it is essential to suitably protect the connector from water by sealing it appropriately (e.g. with adhesive tape or with a plastic bag).

#### 4.4. HOW TO WASH THE D-AIR STREET SMART JKT

The D-AIR STREET SMART JKT must only be cleaned using a soft damp cloth with water or with water and a conditioner-free neutral soapy solution.

Remove the soapy solution using a soft cloth dampened with fresh cold water only.

Do not rub with abrasive materials and do not leave the device to soak.

Leave the device to dry hanging, away from direct sources of light and heat.

Also refer to the instructions and international care symbols on the label affixed to the device, listed in the table 6 below.

**TABLE 6: LIST AND MEANING OF INTERNATIONAL CARE SYMBOLS ON THE LABEL AFFIXED TO THE DEVICE**

 <p><b>1 - THIS GARMENT CANNOT BE WASHED IN WATER</b></p>	 <p><b>2 - THIS GARMENT CANNOT BE TREATED WITH CHLORINE</b></p>  <p><b>3 - THIS GARMENT CANNOT BE IRONED</b></p>	 <p><b>4 - THIS GARMENT CANNOT BE DRY CLEANED</b></p>  <p><b>5 - THIS GARMENT CANNOT BE TUMBLE DRIED</b></p>
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**⚠ WARNING!**

Do not immerse the D-AIR STREET SMART JKT in water or other liquids.

Immersing the D-AIR STREET SMART JKT in water or other liquids could cause irreparable damage to the electronic components of the System.

Do not iron the D-AIR STREET SMART JKT

Do not wash under running water.

Do not use solvents or other chemical substances for cleaning.

Do not paint the protective device, or use dyes of any kind on it.

Avoid exposure to direct sunlight as much as possible.

Do not expose the device to high or low temperatures.

Never tamper with any part of the device.

Do not bend or twist the device as these actions constitute improper use for which the item has not been designed; in fact, this could cause loss of its protective properties or

breakage. Therefore, Dainese shall not accept complaints or requests for replacement of devices that it finds have been used improperly.

When not in use, the device must be stored in a dry and well ventilated place where it is not subjected to impact or pressure.

Avoid storing the device with its weight concentrated in only a few points.

If the D-AIR STREET SMART JKT is integrated in a garment that is NOT waterproof, in the event of rain protect the System with a rainproof jacket worn over this garment.

After use, if necessary leave the device to dry in a ventilated place at room temperature; do not use hair dryers or other heating devices.

**4.5. INSTALLING THE D-AIR STREET SMART JKT IN THE SPECIFICALLY DESIGNED GARMENT**

To install the D-AIR STREET SMART JKT refer to the instructions in Chapter 2.6.

**4.6. TRANSPORTATION**

Store and transport the device using the bag provided at the time of purchase.

**⚠ WARNING!**

Always make sure that the system is placed in shipping mode to prevent the system from being switched on accidentally during transportation.

Always make sure that the switch-on/switch-off button of the protective device has been opened correctly to prevent accidental contact of the button which could cause the System to be switched on.

Due to the presence of the gas generator and related triggering system, air transport might be prohibited or subject to special transport procedures. Before shipping your garment with the D-AIR STREET SMART JKT integrated by air, check with the airport authorities and with the airline to find out the correct procedure to follow.

#### 4.6.1. PLACING THE SYSTEM IN SHIPPING MODE

If you intend to wake up the system from Shipping Mode there are two ways of doing this:

- Connect the system to a computer via USB, start up the software downloaded from the DAINESE website and start the Shipping Mode procedure, disconnect the USB cable from the system.
- With the system switched on and not charging, press and hold the recovery button on the side of the USB connector for 3 seconds.

Make sure that shipping mode has been correctly set by closing the switch-on button and checking that the system does not switch on.

**⚠ WARNING!**

**With the system in Shipping Mode it is not possible to switch on the system using the switch-on/switch-off button.**

#### 4.6.2. WAKING UP THE SYSTEM FROM SHIPPING MODE

If you intend to wake up the system from Shipping Mode there are two ways of doing this:

- Start charging the system via USB;
- Press the recovery button at the side of the USB connector once.

**⚠ WARNING!**

**With the system in Shipping Mode it is not possible to switch on the system using the switch-on/switch-off button.**

#### 4.7. CHANGE OF OWNERSHIP

If you intend to sell your D-AIR STREET SMART JKT to a third party, you must inform DAINESE in advance, so that it can record the new owner's data. For this reason, please contact the DAINESE Technical Assistance service indicated at the foot of this Informative Note, providing the information

indicated in Table 7.

**⚠ WARNING!**

**To ensure correct traceability for any updates/communications/recalls, you must inform DAINESE in advance of any change of ownership of the D-AIR STREET SMART JKT.**

**TABLE 7: CUSTOMER INFORMATION FOR CHANGE OF OWNERSHIP**

NEW OWNER	FORMER OWNER
FIRST NAME:	FIRST NAME:
SURNAME:	SURNAME:
ADDRESS:	ADDRESS:
CITY:	CITY:
NATION:	NATION:
TEL:	TEL:
EMAIL:	EMAIL:
	D-AIR CODE: ON THE LABEL OF THE D-AIR STREET SMART JKT

# ROUTINE MAINTENANCE

## 5.1. ROUTINE MAINTENANCE OF THE SYSTEM

Contact the Dainese Technical Assistance Service once every 3 years to request a maintenance check and the servicing of any components subject to wear.

## 5.2. UPDATING THE ELECTRONIC SYSTEM OF THE D-AIR STREET SMART JKT

As described above, the D-AIR STREET SMART JKT comes with built-in electronic control that manages airbag inflation as required. The electronic system's control may be updated from time to time for improved performance or new functions. New functions may regard an expansion of the fall recognition functions, or also the addition of new functions.

The firmware can be updated autonomously by the registered final user via the software available on the DAINESE website; the update can be carried out during operations by DAINESE S.p.a. at the headquarters in Via Louvigny 35, Colceresa (VI) ITALY.

In the future there may be other ways of updating the firmware; in this case consult the DAINESE website.

## 6. SYSTEM ERROR CODES

For information regarding the main error codes of the System, consult the chapter 3.4.1 "Possible malfunctions of the System" of the attached Informative Note.

## 7. CERTIFICATIONS

The Notified Body that certified your D-AIR STREET SMART JKT is EU NOTIFIED BODY No. 2008 DOLOMITICERT Scarl, Zona industriale Villanova 7/A - 32013 LONGARONE (BL).

NB: this equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide

reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Remove or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that of the receiver.
- Consult the dealer or an experienced radio/TV technician for help.

## 8. F.A.Q. (FREQUENTLY ASKED QUESTIONS)

**Q: IS D-AIR STREET SMART JKT ABSOLUTELY SAFE?**

**A: NO. NO PROTECTIVE SYSTEM CAN PROTECT THE WEARER FROM EVERY POSSIBLE RISK OR UNDER EVERY POSSIBLE CONDITION OF USE. ALL PROTECTIVE EQUIPMENT HAS ITS LIMITS AND INJURY AND EVEN DEATH CAN OCCUR EVEN WHILE WEARING THE D-AIR STREET SMART JKT.**

**Q: HAS THE SYSTEM BEEN TESTED BY AN AUTHORIZED CERTIFICATION AGENCY?**

**A: YES. THE EU NOTIFIED BODY NO. 2008 DOLOMITICERT SCARL, ZONA INDUSTRIALE VILLANOVA 7/A - 32013 LONGARONE (BL) PARTICIPATED IN THE PRODUCT CERTIFICATION PROCESS AND ISSUED THE TYPE-EXAMINATION CERTIFICATION.**

**Q: DOES THE SYSTEM OPERATE WITHOUT NEED FOR ANY PHYSICAL CONNECTION TO THE MOTORCYCLE?**

**A: YES. THE SYSTEM WORKS IN COMPLETE AUTONOMY IN REGARD TO THE MOTORCYCLE. NO COMPONENT NEED BE CONNECTED TO THE MOTORCYCLE.**

**Q: IS THE SYSTEM DESIGNED FOR UPDATING?**

**A: YES, THE SYSTEM HAS UPDATABLE FIRMWARE, IT CAN BE UPDATED AUTONOMOUSLY BY THE REGISTERED FINAL USER VIA THE SOFTWARE AVAILABLE ON THE WEBSITE ; UPDATES CAN BE CARRIED OUT DURING OPERATIONS BY DAINESE S.P.A. AT THE HEADQUARTERS IN VIA LOUVIGNY 35, COLCERESA (VI) ITALY. IN THE FUTURE THERE MAY BE OTHER WAYS OF UPDATING THE FIRMWARE; IN THIS CASE CONSULT THE DAINESE WEBSITE.**

## 9. TECHNICAL ASSISTANCE SERVICE

DAINESE S.P.A

VIA LOUVIGNY, N° 35  
36060 COLCERESA (VI) - ITALY

TEL: 00390424410711  
FAX: 00390424410700  
E-MAIL: INFO@DAINESE.COM

## 10. DECLARATION OF CONFORMITY

To view the Declaration of conformity established by REGULATION (EU) 2016/425 consult the following link:

<https://conformity.dainese.com> entering the "Protector identification code" indicated on the marking

on the label stitched to the protector or stamped on the protector.

## ATTACHMENT A: DISPOSING OF THE PRODUCT

### WARNING!

The D-AIR STREET SMART JKT contains electronic components and a pressurized gas canister that cannot be disposed of in the same way as traditional waste.



**In order to dispose of the product correctly at the end of its working life, contact the Dainese Technical Assistance Service. DAINESE will take care of disposal, arranging for collection and correct disposal of the product. Important: incorrect disposal of the product can create dangerous situations or cause environmental pollution.**





# THE AIRBAG SYSTEM



*DAINESE*