

SMART CONSTRUCTION **Fleet** Device

SCFD-1EU

SCFD-1US

SCFD-1AU

SCFD-1JP

User Manual

1. Greetings

Thank you very much for purchasing the "SCFD-1" (hereinafter referred to as "this product"). Please read this manual before using to ensure correct use.

2. Before using this product (please be sure to read this manual)

Please read the "Safety Precautions" and "Disclaimer" in this manual before using this product to ensure proper use.

- See pages 2 & 3

3. Safety Precautions

Please read these "Safety Precautions" before use to ensure correct use. It explains what you must do to prevent harm to people and damage to property.

- It classifies and explains the degree of harm and damage that could be caused by misuse.

 Warning	There is a risk of death or serious injury.
 Caution	There is a risk of minor injury or property damage.

- The following symbols and pictographs need to follow.

 Prohibition	Should not be done.
 Instruction	Must execute this content.

 Warning	
	• Do not disassemble or modify the product. • Do not get it wet with water or other liquids. • Do not touch with hands covered with sand or water. • Do not apply excessive shock or vibration. • Do not damage cables or car chargers. • Do not operate this product while driving.
	• In case of malfunction or failure, turn off the power immediately.

 Caution	
	• Do not use the product in a damaged state. • Do not dispose of it with ordinary trash.
	• When using in a car, please check with the manufacturer or distributor about the effects of radio waves. • In places where the specs of devices using radio waves are restricted, such as medical facilities and public transportation, follow the instructions of the administrator.

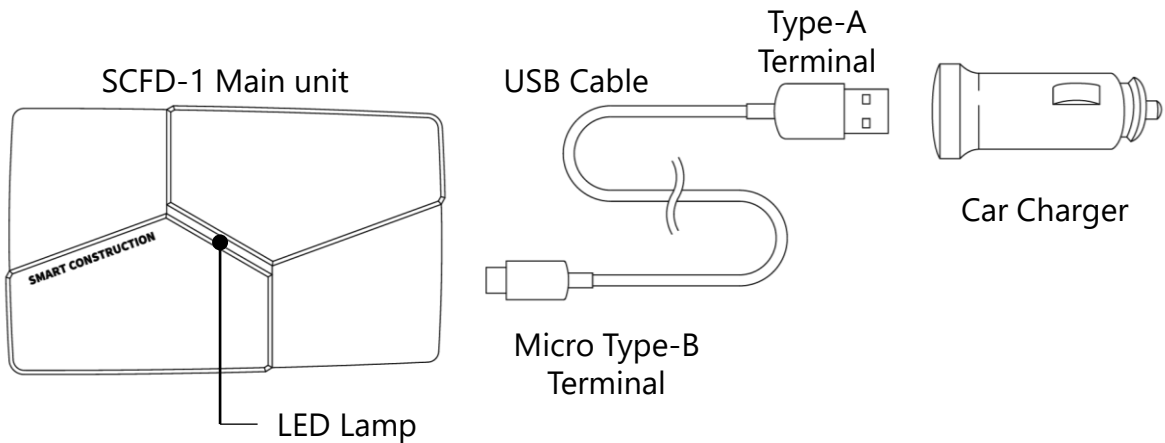
4. Disclaimer

- The Company shall not be liable for any damage caused by external cause such as lightning, wind, flood, fire, or acts of a third party other than our responsibility, or other accidents, or by the customer's intentional or negligent use, misuse or other abnormal conditions.
 - The Company shall not be liable for any incidental damage (such as loss of change in content, loss of business profits, business interruption, etc.) arising from the use or inability to use this product.
 - The Company shall not be liable for any loss or damage caused by failure to observe the contents of this manual.
 - Communication is not possible in places where there is no signal, such as underground, even in LTE service areas. Communication may also be unavailable in places with poor reception.
 - In environments where it is difficult to capture GNSS satellites (e.g., indoors), the accuracy of the location information might be poor, or the location information may not be acquired.
 - If you use this module to commit a defective act that is extremely disturbing to the public, you may be punished in accordance with the laws and ordinances (such as anti-nuisance ordinances).
 - Please dispose of this product in accordance with the instructions of the municipality where it is collected.
 - The contents of this product and manual are subject to change without notice. We reserve the right to make changes in this product and the manual without notice.
- ※ The term "Company" in this document refers to the following company.
LandLog Ltd.

5. Name and how to connect each part

Follow the steps below to connect SCFD-1 main unit, USB cable and the car charger.

- ① Insert the Type-A terminal of the USB cable into the car charger
- ② Insert the Type-B terminal of the USB into the main unit.



6. How LED Lamp glows

When this product is turned ON/OFF, it glows as follows:

- OFF • • • • • Power OFF
- White light • • • Power ON
- Blinking white • • • Software update

After the power is turned on, it lights up as follows depending on the status of the product.

- Blue • • LTE range and GNSS positioning is complete
- Orange • • LTE range but GNSS positioning Is not complete
- Purple • • Out of LTE range, but GNSS is in position
- Red • • Out of LTE range and GNSS positioning is not completed

7. Installation to the vehicle

Follow the steps below to install it in your vehicle.

① Cleaning the inside of the cigar socket

Clean the inside of the cigar socket before installing this product. Make sure that the inside of the cigar socket is cold before removing any dust or debris from the cigar socket. If the inside of the cigar socket is dirty, it may cause poor contact or fire.

② Installation of the main unit

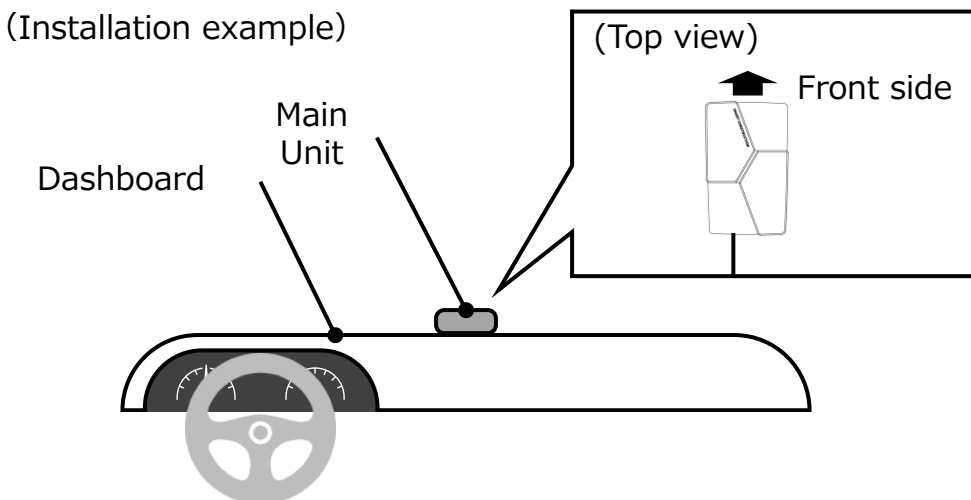
Install and fix this product firmly on the dashboard in the correct orientation as shown in the installation example below. If it is not fixed firmly, it may cause the product to jump out of the dashboard due to vibration or shaking.

③ Inserting into a cigar socket

Make sure to insert the cigar charger of this product to the cigar socket securely. If it is not inserted securely, it may cause poor contact or fire.

④ Activation of this product

After the installation of this product is completed, start the vehicle's engine and confirm that the LED lamp of this product lights up and this product has started.



Cautions



- Please install in accordance with your local regulations
- Read the owner's manual of the vehicle and install it in accordance with safety precautions.

8. If you need help

Please check the following items.

- **If the power does not turn ON**

- Make sure that the USB cable is securely connected.
- Make sure the vehicle's cigar socket is not dirty or rusty. If there is dirt or rust on it, remove it.

- **If the location information is not correct**

- The location information obtained from GNSS has a different error range depending on the measurement environment. If the error range is continuously large, move to an area with a better measurement environment (open sky) before turning on the power.

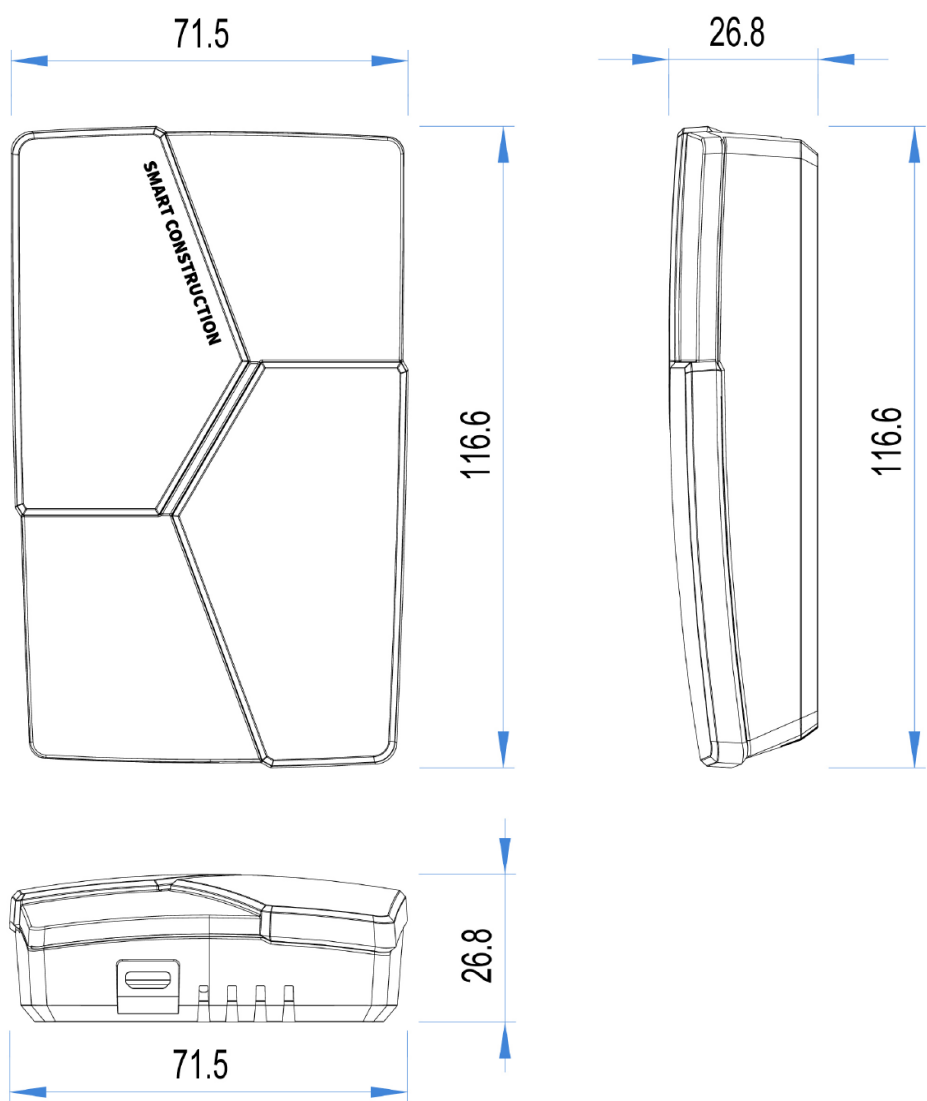
- **If location information is not available**

- If the LED lamp is out of LTE range or the GNSS location environment is poor, move to LTE coverage range and then turn on the power again.
- Check the mounting position of the product body and install it correctly so that the surface of the product body faces up.

9. Specifications

- General

Operating temperature	-10 to +60 degrees
Dimensions	71.5(W) 26.8(H) 116.6(D) [mm]
Weight	108g
Power supply	5V
Solid particle protection	Dust protected (limited ingress)
Liquid ingress protection	None



9. Specifications

- **Car Charger (accessories)**

Input voltage	12 – 24V
Output voltage	5V

- **Frequency bands**

• SCFD-1EU	
2G (GSM)	GSM900MHz, GSM1800MHz
3G (WCDMA)	B1 (2100MHz), B8 (900MHz)
LTE	B1 (2100MHz), B3 (1800MHz),B7 (2600MHz), B8 (900MHz), B20 (800MHz)
• SCFD-1US	
2G (GSM)	None
3G (WCDMA)	B2 (1900MHz), B5 (850MHz)
LTE	B2 (1900MHz), B4 (1700MHz), B12 (700MHz)
• SCFD-1AU	
2G (GSM)	None
3G (WCDMA)	B1 (2100MHz), B5 (850MHz)
LTE	B1 (2100MHz), B3 (1800MHz), B5 (850MHz), B7 (2600MHz), B8 (900MHz), B28 (700MHz)
• SCFD-1JP	
2G (GSM)	None
3G (WCDMA)	None
LTE	B1 (2100MHz), B18 (850MHz), B19 (850MHz), B26 (850MHz)

SMART CONSTRUCTION Fleet Device

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FCC Regulations:

- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- 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 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:
 - Reorient 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 to which the receiver is connected.
 - Consult the dealer or an experienced radio/ TV technician for help.
- Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. To comply with FCC RF Exposure compliance requirements, this grant is applicable to only Mobile Configurations. The antennas

used for the transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.