



i•PrintMini
Thermal Printer

Technical Guide

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General Information

Before using **i•Print Mini** it is important to read the information provided in this Guide to avoid seriously harming yourself or damaging the printer.

Note: for further information, contact your Distributor or send a support request to the address support@labelgroup.com.

Important safety standards

- Carefully read all the documentation attached to the printer.
- Comply with all the instructions and precautions contained in this Guide.
- Only qualified personnel are authorised to assemble and commission this equipment.
- Before commissioning the printer, analyse the risks which could arise from its use, especially regarding personal safety and that of the plants.
- Disconnect the connection cable when needing to weld the mixing wagon.
- Do not insert objects inside the printer as this could cause short-circuiting or damage components that could jeopardize printer functioning.
- Do not expose the printer into contact with aggressive chemicals or solvents that can affect plastic materials or corrode metal parts.

Disconnect the connection cable in the following situations:

- If the connection cable or connectors are worn or damaged.
- If there is any liquid inside the printer, including condensation.
- If printer case is damaged or broken.
- If the vehicle battery needs to be recharged.



This symbol indicates that, based on local laws and standards, the product must be disposed of separately from household waste. When the product can no longer be used, it must be brought to the collection spot established by local authorities. Check local standards for further information regarding waste of electronic products.

Mechanical installation

The printer must be installed using the RAM-MOUNT fixing system included in the supply. It must be installed on a flat, stable and vibration-free surface. Do not install or place the printer near heat sources or strong magnetic fields (motors, magnets, etc.).

Connections

The printer is connected to the **i•FeedGood** scale through a cable with two M12 straight, 8-pole, M/F connectors. The female connector must be inserted in the connector of the printer, while the male connector must be inserted in the **COM A** connector of the scale.

Note: if the scale is supplied with the “COM B Port” option, you must connect the printer to the **COM B** connector.

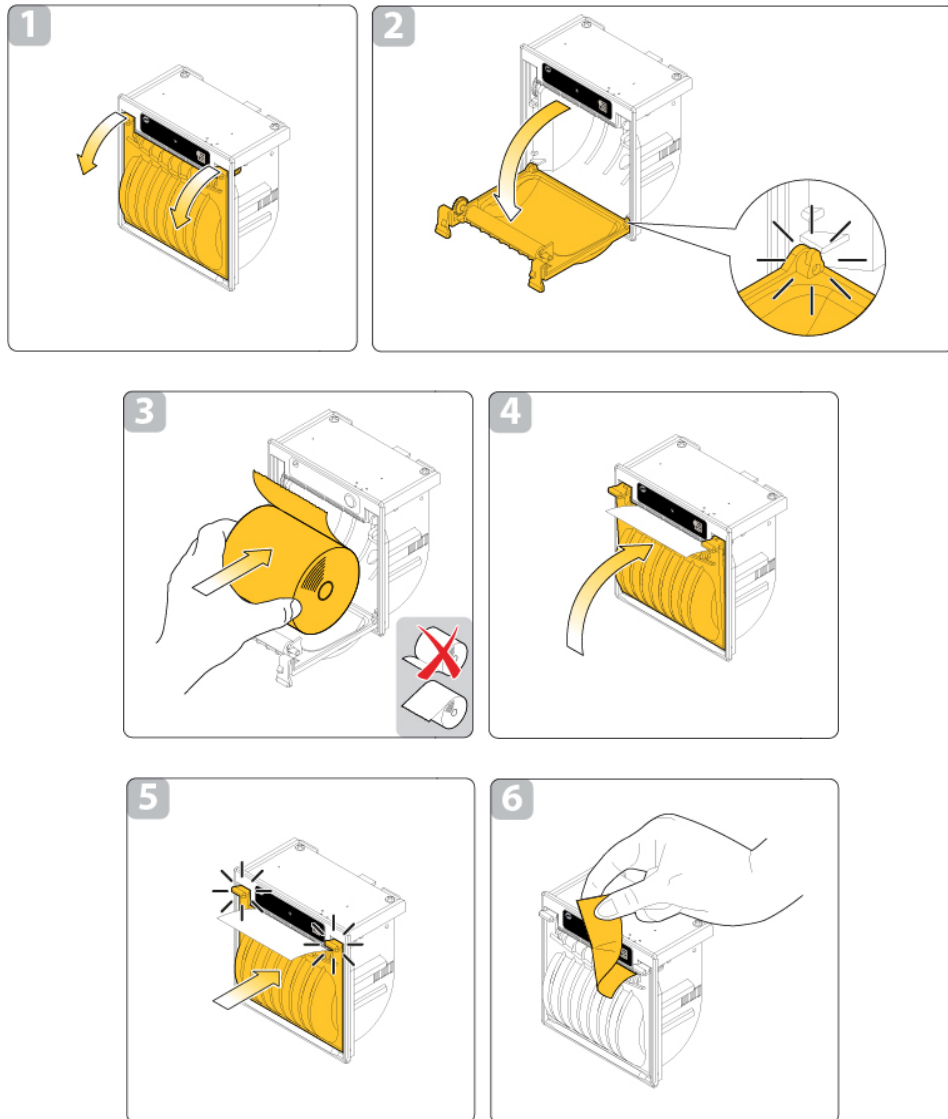
Note: before performing the connections, make sure that the scale is off.

Male M12 connector	
Pin	Function
1	+VIN
2	CTS
3	n.c.
4	TxD
5	GND
6	RxD
7	n.c.
8	n.c

Loading the paper roll

To change the paper proceed as follows:

1. Open the printer cover using the two opening levers on the plastic cover.
2. Move down the plastic cover to the maximum opening.
3. Place the paper roll making sure that it unrolls in the proper direction.
4. Take out the paper and close the plastic cover.
5. Push the two opening levers up to lock the cover.
6. Tear off exceeding paper using the jagged edge.



Paper specifications

- | | |
|--------------------------------|---|
| • Type of paper: | Thermal rolls. |
| • Heat-sensitive side: | Outside of roll. |
| • Paper width: | 57mm ± 0,5mm. |
| • Paper weight: | From 55g/m ² to 70g/m ² . |
| • Paper thickness: | From 63µm to 85µm. |
| • External roll diameter: | Max. Ø 50mm. |
| • External roll core diameter: | 12mm (+1mm). |
| • Paper end: | Not attached to roll core. |
| • Core type: | Cardboard or plastic. |

Maintenance

In order to prevent malfunctioning or failures, it is recommended to perform the following operations periodically:

- Check that the external power supply system to the printer works properly, also checking that the connection points have no oxidization or humidity.
- Periodically clean the printer using a moist, soft and down-free cloth. Never use sprays, abrasives, solvents or sharp objects which can damage the case.

EC Declaration of Conformity

The printer complies with the essential requirements of the Directive 2014/30/EU on Electromagnetic Compatibility as it complies with standards EN 61326-1:2013.

If the printer is not installed and used in strict compliance with the instructions provided in this Guide, it could be faulty or cause the surrounding equipment to malfunction. In any case there is no guarantee of these failures not occurring in a specific installation. Should any malfunctioning occur, contact the Customer Service which can suggest measures to be taken to eliminate the problems.

Compliance with Directives is only guaranteed when original accessories and spare parts are used. Any modifications or interventions to the printer not authorised by the manufacturer in writing could cancel its conformity to Directives and make it prohibited for use.

Description

General Features

The **i•Print Mini** printer is a thermal printer with an easier paper loading system. **i•Print Mini** is versatile and efficient, able to satisfy all printing requirements. The printer has a 203 dpi (8dots/mm) thermal printing mechanism, which uses a 57 mm width and 50 mm diameter roll of thermal paper.

Placed inside a case, it is ideal for professional applications, even in dusty environments or outdoors. The case has a suitable housing to collect paper during printing.

Placed inside a small size but sturdy case, is ideal to be installed inside the cab of a tractor or a self-propelled, being equipped with a unique system to prevent the unrolling paper from jamming due to vibrations inside the vehicles.

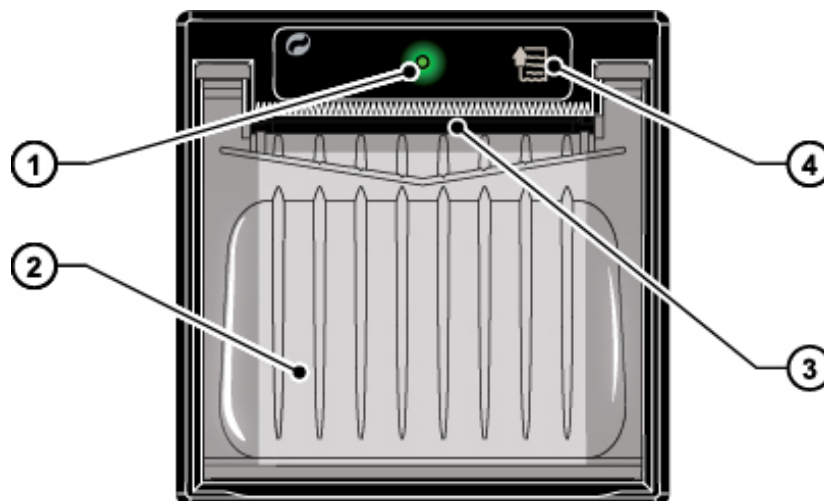


Printer Description

The printer has a front cover which opens to allow access to the paper roll and print head.

The front panel has a Feed key and Status led.

1. Status led.
Displays printer hardware status.
 - OFF
Printer OFF.
 - Green
Printer ON (no error).
 - Slow flashing green
Paper end.
 - Fast flashing green.
Heading over temperature or power supply voltage incorrect.
2. Paper roll holder compartment..
3. Paper outfeed slot.
The slot has a serrated edge to facilitate the tearing of excess paper.
4. Feed key.
It is useful for paper advancement.



Technical Specifications

Printing Methods	Fixed head thermal printing
Resolution	203dpi (8dots/mm)
Printing Speed	40mm/sec
Columns	40
Type of Paper	Thermal
Paper width	57mm ± 0.5mm
Roll dimension	Max. Ø 50mm
Interface	RS232C
Sensors	Head temperature, paper presence
Power Supply Voltage	10 ÷ 36Vdc
Power Consumption	Max. 36W
Operating Temperature	-20°C ÷ +70°C
Case	ABS
Degree of Protection (EN60529)	IP40
Weight	1.0kg
Dimensions (L x W x H)	150x130x110mm

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Label S.r.l.

Via Don Mazzucotelli, 6/A
24020 Gorle (BG) ITALY
Phone +39 035 30.28.12
Fax +39 035 30.28.15
support@labelgroup.com
www.labelgroup.com