



USER MANUAL

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Alturos Photoprint



LEGAL NOTICE

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1 General Information

1.1 Documentation notes

The following instructions are intended as a guide to the overall documentation.

These user manuals describe how installation, commissioning, service and repair work can be carried out by trained personnel.

Special tools are required to perform these activities.

1.2 Storage of documents

Keep this user manual and all other applicable documents in a safe place so that they are available when needed.

1.3 Copyright

The operating instructions must be treated confidentially. It is intended exclusively for the persons working on and with the device. All information, texts, drawings, pictures and other representations are protected by copyright and are subject to further industrial property rights.

Any misuse is liable to prosecution. Passing on to third parties as well as reproduction in any kind and form - even in extracts - as well as the exploitation or communication of the content is not permitted without the written consent of Alturos Destinations.

Contraventions obligate to compensation for damages. Further claims are reserved. We reserve all rights to exercise industrial property rights.



1.4 Symbols in this manual

1.4.1 USED PICTOGRAMS

!	Note: Observe usage!
!	Note: Avoid damage!
\bigcirc	Note: Correct use!
\otimes	Note: Wrong use!
:	Hint: To facilitate the procedure
i	Information
(i)	Torque
*	Sustainability



NOTICE	NOTICE means, that damage to objects can occur.
△CAUTION	CAUTION means, that minor to medium personal injuries can occur.
∴WARNING	WARNING means, that serious to life-threatening personal injuries can occur.
▲ DANGER	DANGER means, that serious to life-threatening personal injuries will occur.

1.4.2 USED WARNINGLABELS

	Hazard: Warnings of injuries.
A	Hazard: Hazards due to electrical voltage. Do not touch these parts until the power supply to the device has been disconnected.
	Hazard: Hazards due to heat development. Do not touch these parts when the device is switched on. It is essential to let them cool down before touching them.
	Caution: Electrostatically sensitive components. Ensuring electrostatic discharge before contact by earthing, to avoid ESD damage.
	Warning: Risks due to optical radiation. Avoid direct eye contact. Optical radiation can damage your eyesight.
	Warning: Lifting heavy objects causes strain on the human movement and support apparatus.



1.5 Consumables / spare parts

NOTICE

Incorrect or defective consumables or spare parts can lead to damage, malfunction or total failure of the device!

The use of non-recommended consumables will void all warranty, service, compensation and liability claims against the manufacturer or its authorised representatives, dealers and agents.



The consumables recommended for use are listed under point Fehler! Verweisquelle konnte nicht gefunden werden. (Technical Data) or must be approved by Alturos.



2 Safety

2.1 Warranty and liability

The warranty period is based on national regulations and can be found at www.alturos.com/agb/.

Subject to all contractually agreed warranty and liability provisions, warranty and liability claims are excluded in the following cases:

- Improper use of devices
- Improper installation
- Lack of appropriate safety measures and warnings in the danger zone
- Irregular or insufficient maintenance
- Use of material not specified and tested by Alturos
- Lack of structural renovation measures
- Insufficient training of operators
- All structural, technical or other changes; interventions and/or additions to the system without the express consent of Alturos Destinations GmbH
- Disasters caused by external events and force majeure

This user manual must be read carefully before starting any work on and with the product! The manufacturer accepts no liability for damage and malfunctions resulting from non-observance.

The textual and pictorial representations do not necessarily correspond to the scope of delivery. The illustrations and graphics do not correspond to the scale 1:1. The actual content of the delivery may deviate from the information and notes described here and from the illustrations in the case of special versions, the use of additional ordering options or due to the latest technical changes.

If you have any questions, please contact Alturos Destinations Customer Service.

We reserve the right to perform technical modifications to the device in the course of improving its usage properties and further development.



2.2 Appropriate use

Appropriate use also includes correct compliance with the operating conditions and the information and instructions in this user manual. The device may only be operated with parts and original accessories supplied by the manufacturer.

2.3 Modifications and changes to the device

In order to avoid hazards and to ensure optimum performance, no modifications, additions or alterations may be made to the device that have not been explicitly approved by the manufacturer.

All pictograms, signs and inscriptions on the device must be kept in a clearly legible condition and must not be removed. Damaged or illegible pictograms, signs and inscriptions must be replaced immediately.



2.4 Staff requirements

The following activities may only be performed by authorised and instructed staff.

Responsibilities for working on and with the device must be clearly defined and complied with.

Do not work in any way that may compromise the safety of persons, the environment or the device.

Education	Definition
instructed person	An instructed person is a person who has been informed about the assigned tasks and possible dangers in case of improper behaviour and, if necessary, has been trained and instructed about the necessary protective equipment and protective measures.
trained user	A trained user is someone who fulfils the requirements for an instructed person and has also received system-specific training from Alturos Destinations or an authorised distributor.
Qualified specialist	A qualified specialist is defined as someone who, on the basis of his training, knowledge and experience and knowledge of the relevant regulations, is able to assess the work assigned to him and recognise possible hazards. Several years of activity in the relevant field of work may also be taken into account for the assessment of the technical training.
Qualified electrician	Due to their professional training, knowledge and experience as well as their knowledge of the relevant standards and regulations, qualified electricians are able to carry out work on electrical systems or equipment and to independently identify and avoid possible hazards. The qualified electrician has been specially trained for the working environment in which he/she works and knows the relevant standards and regulations. The qualified electrician must comply with the regulations of the applicable statutory accident prevention rules and regulations.
Customer Service	Customer service is defined as service technicians who have been trained and authorised by Alturos Destinations to work on the system or equipment.





The staff is obliged to immediately report any changes to the device that impair safety to the customer!

2.5 Safety at work

By following the specified safety instructions and instructions in this technical manual, personal injury and damage to property during work with and on the device can be avoided. Non-observance of these instructions can lead to danger to persons and damage or destruction of the installation.

In case of non-compliance with the safety instructions and instructions given in this manual as well as the accident prevention regulations and general safety regulations applicable to the area of application, any liability and damage claims against the manufacturer or his authorised representative are excluded.

Risk of injury due to the heavy weight of the equipment! Installation work must only be carried out with suitable lifting gear! All electrical connections and repair work on the units may only be carried out by a qualified electrician. The following rules must be observed before connecting the equipment:

- 1. Disconnect mains!
- 2. Prevent reconnection!
- 3. Test for absence of harmful voltages!
- 4. Ground and short circuit!
- 5. Cover or close off nearby live parts!



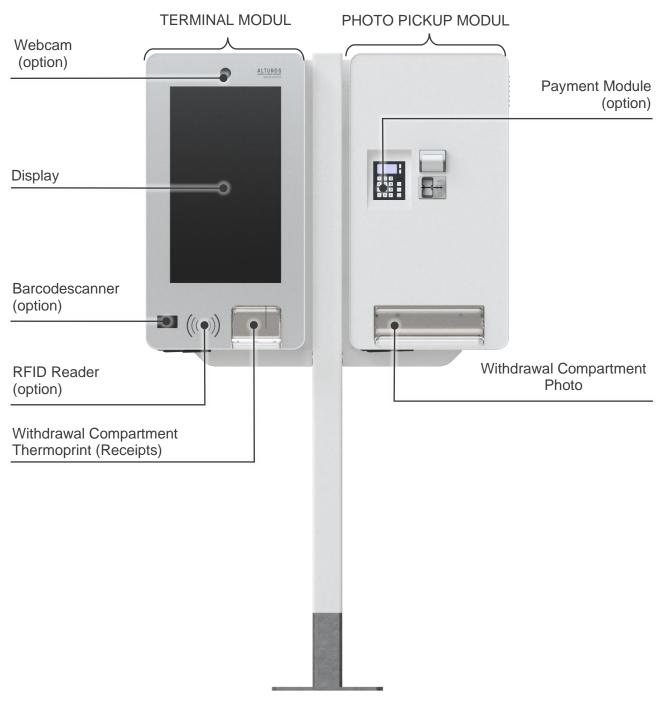
Hazard! Danger due to electric current: The electrical energy can cause extremely serious injuries. If the insulation or individual components are damaged, there is a danger to life from electric current.

After completion of work, these steps are carried out in reverse order.



3 Technical specifications

3.1 Overview



(i)

The equipment of the Skiline terminal may vary depending on the variant!



3.2 Data tableTerminal

Parameter	Value
Dimensions	80x43x24cm
Weight	36kg
Supply voltage	230 V AC / 50 Hz
Internal low voltage supply	24 V DC / 240W
Power input	280 Watt at maximum load
Case	Material: stainless steel
	Surface: powder coating RAL 9010 (standard)
	Front pane: ESG glass anti-reflective
Protection class by casing according to EN 60529	IP34
Temperature range	Storage: -40°C to +70°C
	Operation: -20°C to +40°C
Data interface	RJ45 Ethernet connection
Thermal Printer	Consumables:
	 3" / 80mm thermal paper 65 to150µm rollers Ø max. 200mm Roller core Ø12 or Ø50mm depending on the model.
	printing speed: max. 200mm/s
Display	Size: 24" color TFT LCD display in portrait format
	Brightness: 1500 cd/m²
	Resolution: Full HD 1920x1080p
Touchscreen	PCT Single Touch
RFID reader	Operating concept: HF short-range RFID USB module
	Working frequency: 13,56 MHz
	reading range: up to 80mm
	RFID protocols: ISO 15693 incl. special functions
Barcode reader	Compatibility: 2D Barcodes and QR Codes
	Lighting: LED white
	Crosshair: Laser Class 2 IEC 60825
Webcam	Resolution: 1920 x 1080p configurable for landscape or portrait



Heating	100W PTC thermistor heater (PTC) optional
Fan	80x80 resp. 60x60 24V
	Insect guards on the fan gills
Sound (option)	Power: 30W
	Waterproof IP65 8cm speaker

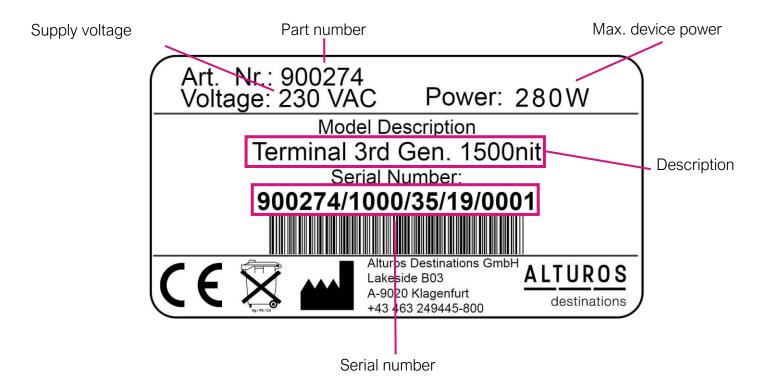


3.3 Data table Photo Pickup Modul

Parameter	Value
Dimensions	80x43x24cm
Weight	54kg
Supply voltage	230 V AC / 50 Hz
Internal low voltage supply	24 V DC / 65W
Power input	450 Watt at maximum load
Housing	Material: stainless steel
	Surface: powder coating RAL 9010 (standard)
	Front pane: ESG glass anti-reflective
Protection class by casing according to EN 60529	IP34
Temperature range	Storage: -40°C to +70°C
	Operation: +5°C to +35°C
Data interface	USB 2.0 (max. 480Mbit/s) Connection Typ B
Photoprinter	Capacity: aprox. 200 sheets
	Standard resolution: (600dpi)
	Print speed: 23,6 dot/mm
	Print dimension: 152 mm x 203 mm (6x8") [2PC]
Heating	20W thermistor heater (PTC)
	50W thermistor heater (PTC)
	250W heater
Fan	80x80 resp. 60x60 24V
	Insect guards on the fan gills
Payment modules	Slot card reader
	Keyboard
	Contactless reader



3.4 Type plate





4 Operation terminal

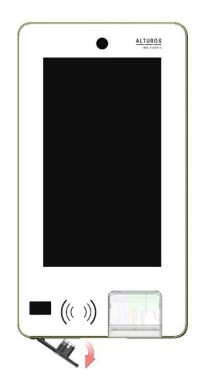
4.1 Opening the device

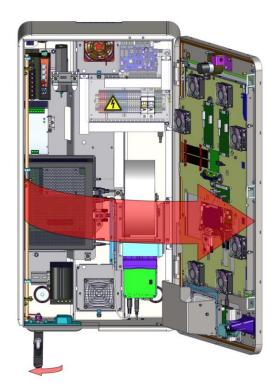




Unlock the door with the provided keys.







Pull down door latch.



Be careful when opening the latch to avoid scratches on the bottom side of the housing!

Turn door latch by 90° to the frontside and open the door.





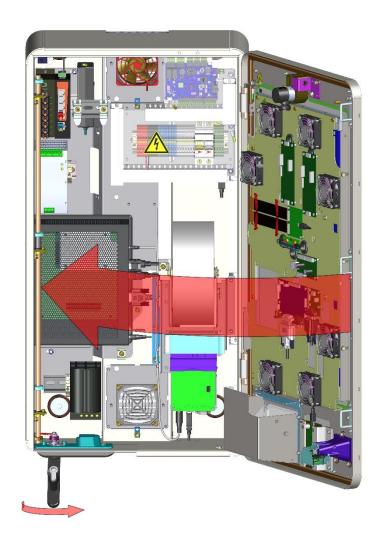
When opening the device in horizontal position, no load must be transferred to the door!



Caution Risk of injury from falling terminal due to the changed center of gravity!

4.2 Close the device

The device is closed in the reverse order to that described in section 4.1. described.



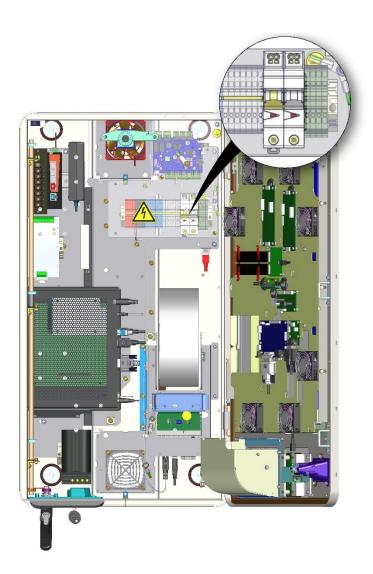


4.3 Switching the device on and off

Open the device as described in chapter Fehler! Verweisquelle konnte nicht gefunden werden..



Initial commissioning may only be carried out by qualified technicians.



- Turn the circuit breaker upwards to switch it on.
- Turn the circuit breaker down to switch it off.



Before intentionally shutting down the device for a long time, remove the printer paper and inform the technical support.



4.4 Changing the thermal paper roll



Thermal paper requirements:

Width 80mm (3inch) | Thickness 65 to 150µm | Thermal print layer Outer innerØ min. 12mm | outerØ max. 200mm



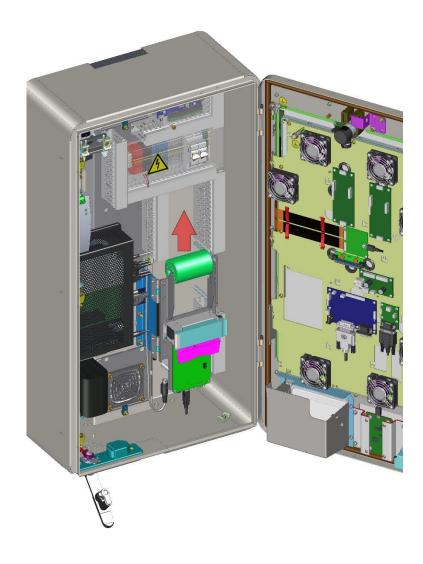
Fire hazard: Do not store spare paper rolls in the housing, as some components can become very hot.

4.4.1 OPENING THE DOOR

Open the device as described in chapter 4.1.

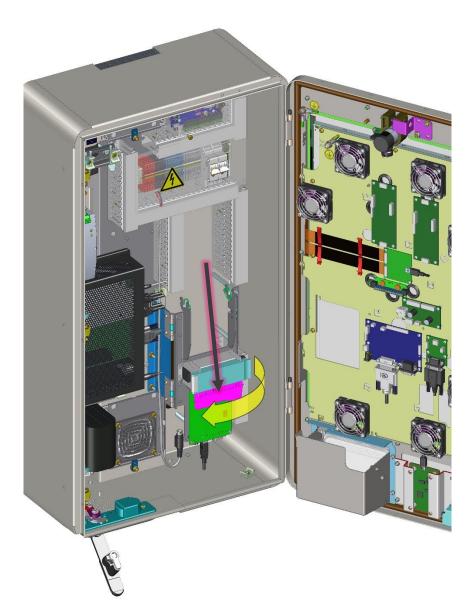


4.4.2 REMOVE EMPTY ROLL





4.4.3 OPEN PRINTER FLAP



Open the printer flap on the right side by lifting the latch.

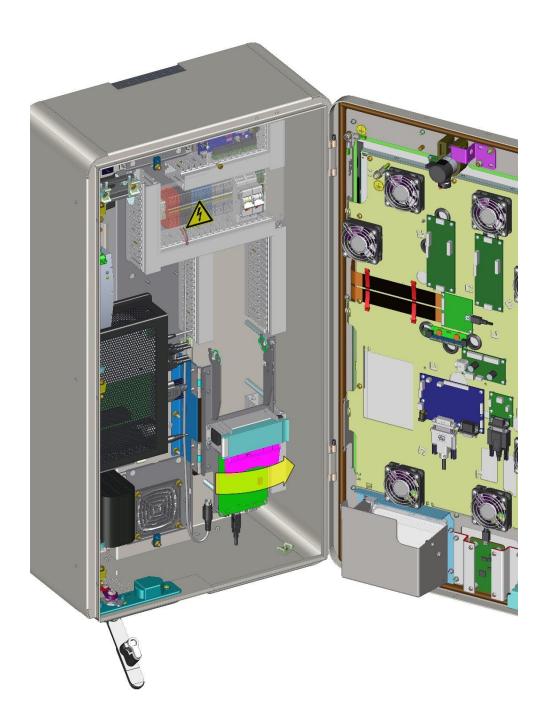
Carefully open the printer flap to the left. (yellow)



Check whether there are paper residues in the bezel funnel (black arrow)!

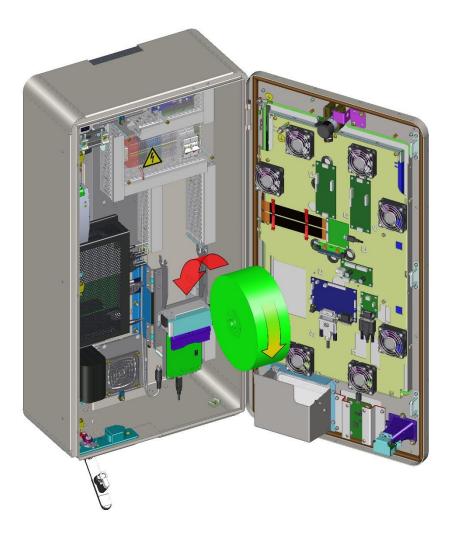


4.4.4 CLOSING THE PRINTER FLAP





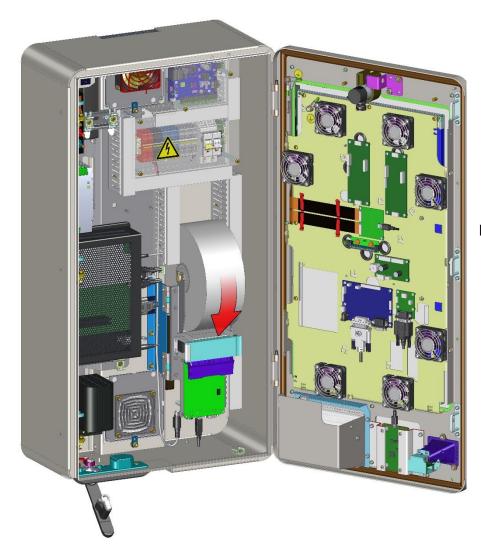
4.4.5 INSERTING THE NEW THERMOROLL



Insert a new thermal paper roll into the printer with the start of the paper at the front (orange arrow).



4.4.6 INSERT PAPER



Inserting the thermal paper into the slot of the printer - it automatically feeds the paper, prints "TEST PRINT" and cuts off the test paper.



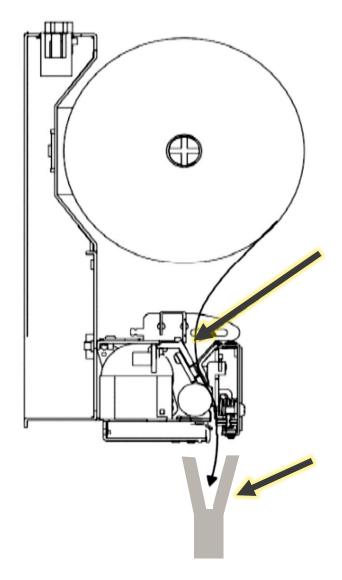
4.4.7 REMOVE TEST PRINT SECTION



Be sure to remove test print section!

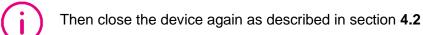


4.4.8 CLOSE THE DOOR











4.5 Maintenance screen

After switching on the device, the maintenance screen appears when the door is open, which is necessary for the further steps of commissioning. The maintenance screen provides information about system-relevant data and is required for the network configuration; in addition, test prints can be performed here.



The design of the maintenance screen can vary depending on the equipment!

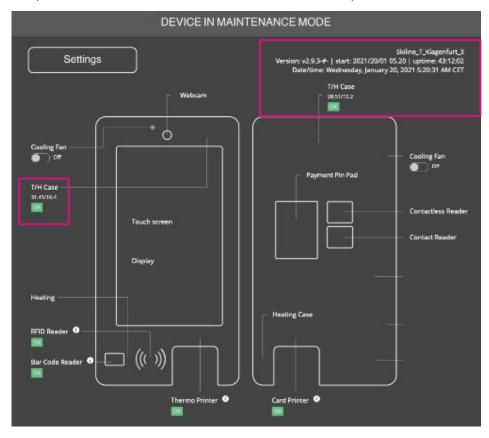
4.5.1 LANGUAGE

The language can be set in the lower part of the maintenance screen, English, French, Italian and German are available.



4.5.2 SYSTEM DATA

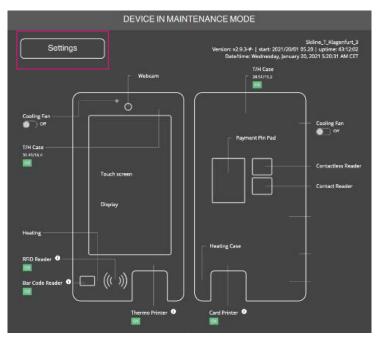
The **SYSTEM DATA** field provides system-relevant data for the operation of the device. A constant temperature in the device is crucial for trouble-free operation.

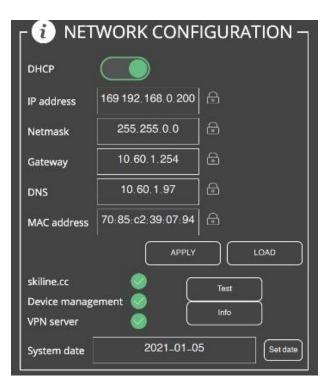




4.5.3 NETWORK CONFIGURATION

The configuration of the network can be done in the **SETTINGS** field.





The data is entered via the integrated touch screen function.

If the device is in a network with DHCP, the network configurations are automatically assigned to the device, so no further network settings are necessary.

The following steps must be carried out during network configuration:

- 1. Enter network data.
- 2. Press the **APPLY** button after the entry is complete.
- 3. Perform network test by pressing the **TEST** button.



The network configuration may only be carried out by qualified staff!



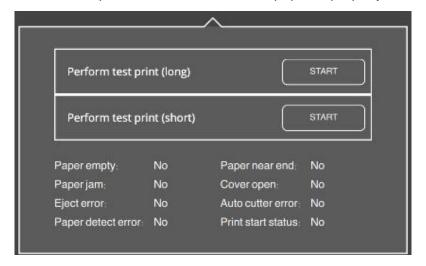
4.5.4 OUT OF ORDER MODE

If the device is in "Out of order" mode, it is no longer possible to use it in operation. This mode can be switched on and off in the bottom field of the maintenance screen. If the slider is moved to the right, the dot appears in green, so the out of order mode is activated, for deactivation the slider must be moved to the left again.



4.5.5 TEST PRINT

One print can be performed in each of the two "**PERFORM TEST PRINT**" fields in order to test the function of the installed thermal printer. Make sure that the paper is properly inserted.





For information about loading paper rolls, please refer to the enclosed User manual.



4.5.6 BARCODE READER TEST

Via the "Barcode reader" field, a QR code can be read out via a test printout (short) printed on the thermal printer.



4.5.7 RFID READER TEST

Via the field "RFID reader" a key card number can be read from a RFID ticket.





4.6 Remote access

The following settings can be configured remotely by an Alturos employee:

- General backlight setting of the display.
- Configuration of 2 different backlight settings depending on daytime.
- Display switch-off times.



The remote setting options can vary depending on the equipment.



Configuring switch-off times saves resources and can increase the service life of display and cooling components.



Alturos can put the device into "out of order" mode, switch it off completely or restart it, and receive software updates.



5 Operation Photo Pickup Modul

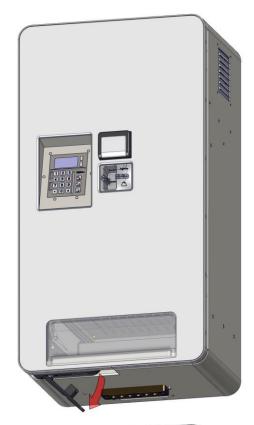
5.1 Open the device



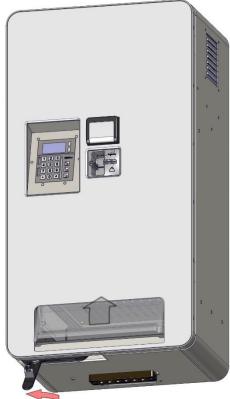


Open the lock with the provided keys.





Pull down latch.



Swivel the lever 90° to the front - the removal flap opens a bit





Open the door

5.2 Close the device

The device is closed in the reverse order to that described in section 5.1.



5.3 Loading paper and ribbon



Only media (paper and ribbon) approved by DNP for this type of printer may be used.



The media size must not be changed without consulting Alturos.



Attention: When installing the device outdoors, be sure to consider weather conditions before changing media. Snow or wet conditions on the media can damage it and will affect the quality of the printed photos. Strong winds can make it difficult to load the ribbon or damage it!

5.3.1 OPEN THE DEVICE

Open the device as described in section 5.1.

5.3.2 PULLING OUT THE PRINTER



Pull out the printer forward until it stops.



Follow instructions from the DP DS620 user manual starting on page 12.





Push the printer into the housing as far as it will go.



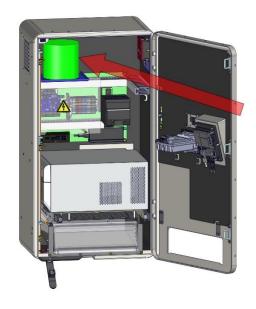
The printer connection cables must not be pinched under any circumstances!



2 sets are included per media set (reserve paper + ribbon) - the reserve media set can be placed on a platform in the Photo Pickup module. This is especially recommended at low outside / storage temperatures, as the temperature of the media set can assimilate in this way.



Do not open the airtight packaging of the ribbon when stored in the housing!



Reserve media can be stored in the top left of the device.

Close the device as described in section 5.2.



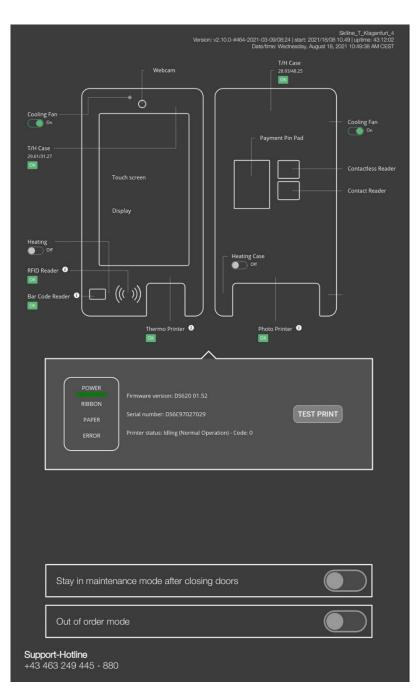
5.4 Maintenance screen



The design of the maintenance screen may vary depending on the equipment



As soon as the photo pickup module is opened, the device switches to maintenance mode and the following screen appears on the terminal display



The following activities are performed via the maintenance screen:

- Perform test print
- · Out of order mode
- Watch the instruction video on how to change media

In addition, the number of printable photos until the next media change can be read off and the error display of the photo printer can be read off.

Green=

No activity required

Yellow=

Activity required soon (refilling or cleaning)

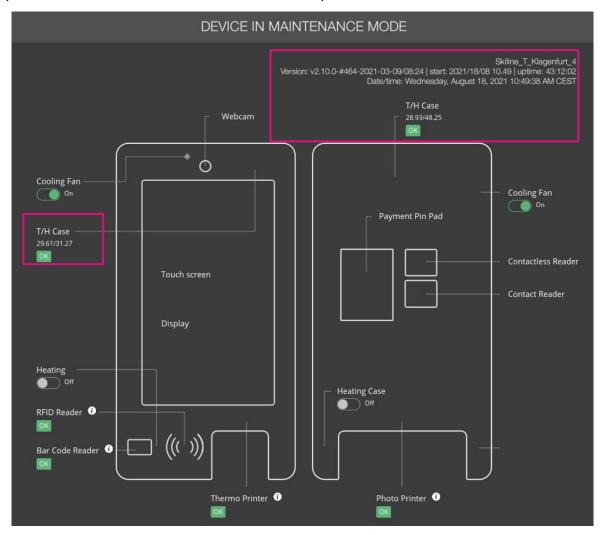
Red=

Urgent action required



5.4.1 SYSTEM DATA

The **SYSTEM DATA** field provides system-relevant data for the operation of the device. A constant temperature in the device is crucial for trouble-free operation.



5.4.2 LANGUAGE

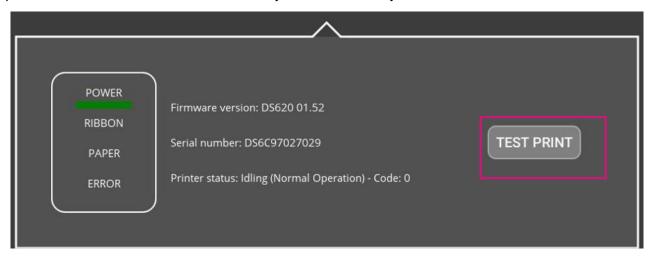
The language can be set in the lower part of the maintenance screen, English, French, Italian and German are available.





5.4.3 TEST PRINT

The "**Print Test**" button can be used to perform a test. These are usually carried out after the photos have been filled to ensure that they function correctly.



5.4.4 OUT OF ORDER MODE

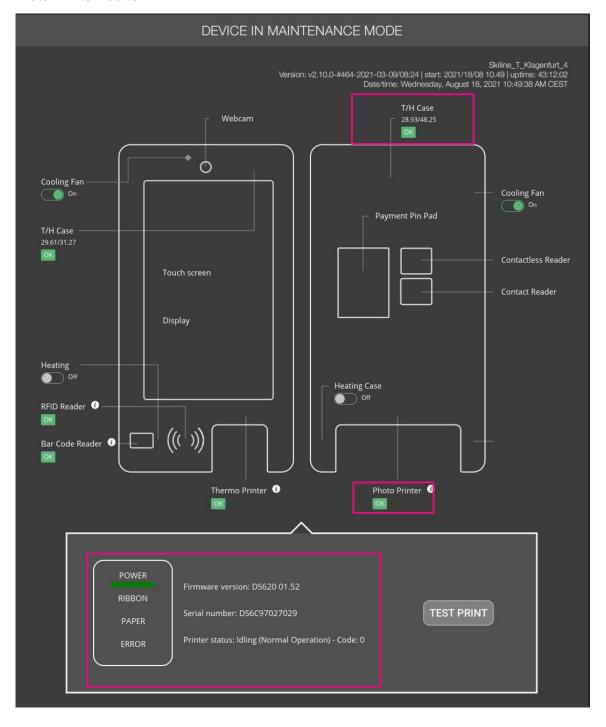
If the device is in "**Out of order**" mode, it is no longer possible to use it in operation. This mode can be switched on and off in the bottom field of the maintenance screen. If the slider is moved to the right, the dot appears in green, so the out of order mode is activated, for deactivation the slider must be moved to the left again.





5.4.5 INFORMATION PHOTOPRINT

All information on paper status, printer status and current firmware versions can be retrieved via the "Photo Printer" button.





5.5 Cleaning



It is strongly recommended to perform cleaning **BEFORE** busy days!

Part	Intervall	Cleaning	Figure
Photoprinter	When changing media	Disposing of the paper scraps	User manual DP- DS620 Page 18
Photoprinter	If an indent or lines are visible at regular intervals on the printouts (approximately every 50 mm) or if the back of the printouts (white page) is dirty.	Cleaning the print roller	User manual DP- DS620 Page 24
Photoprinter	If stains adhere to the thermal printhead, bumps or gaps could appear during printing.	Cleaning thermal printhead	User manual DP- DS620 Page 25
Extraction tray	Weekly	Cleaning wipe	



6 Troubleshooting



At low outdoor temperatures, the vending machine can remain in "out of service" mode for up to approx. 1h after start-up.



Diagnosis: As soon as "Out of service" or "In maintenance" appears on the display, the maintenance screen of both modules can provide information

Problem	Root cause	Corrective action	
Photoprint machine remains in "Out of order" mode after power on	Interior temperature too low	Checking the interior temperatures of the Photo Pickup module via maintenance screen (see point 5.4)	
Paper jam thermal printer in terminal module	Ejector compartment clogged or overfilled	 open terminal module check the ejection tray and if there is too much paper or paper is stuck, remove paper Start test print via maintenance screen (see section 5.4.3) 	
Paper jam thermal printer in terminal module	Funnel clogged or overfilled	 Open the terminal module Check whether there is paper residue in the funnel (see chapter 4.4.7) Start test print via maintenance screen (see 5.4.3) 	
Paper jam thermal printer in terminal module	Paper roll inserted crooked	 Open the terminal module check if paper roll is inserted correctly (see 4.4.5) Start test print via maintenance screen (see 5.4.3) 	
Thermal paper is not printed	Paper roll inserted incorrectly	 Open terminal module check if paper roll is inserted correctly (see 4.4.5) start test print via maintenance screen (see 5.4.3) 	
Touchscreen does not respond	Dirt on the touchscreen surface	Visually check whether there is any dirt on or behind the touch surface and clean with glass cleaner and microfiber cloth if necessary.	
Touchscreen does not respond	System does not respond	Switch the device off and on (see 4.3)	
Touchscreen does not respond	Touchscreen defective	Contact customer service	
Display fault	Temperatures too high	If the temperature on the display is too high, it is automatically switched off. The remaining systems, especially the air conditioning components, remain active to dissipate the heat. As soon as the operating	



		temperatures are reached again, the display is automatically switched on again.	
		In case of abnormal artifacts, unusual color changes or too weak backlight, please contact support.	
		Check if the device is closed correctly	
Fogged display on the inside	Interior humidity	Temperature status terminal module via maintenance screen (see 5.4)	
		If the problem could not be solved contact customer service	
Network error	On-site network malfunction	Check network status terminal module via maintenance screen (see 5.4)	
		2. Contact facility management	
	System does not respond	Check network status terminal module via maintenance screen (see 5.4)	
Network error		2. Terminal module switch off and on (see 4.3)	
		If the problem could not be solved contact customer service	
Aborted payments	Incorrect or blocked means of payment	Control of the reports on the screen of the payment modules	
		2. Kontrolle des Zahlungsmittels	
Aborted payments	System does not respond	Check status terminal module via maintenance screen (see 5.4.1)	
		If the problem could not be solved contact customer service	
Missing payment receipt	Problems with thermal printer	Check paper and thermal printer	
Particles of dirt on the printed photo	Overfilled paper cuttings waste box	See instructions in the DP-DS620 user manual page 18	
Long waiting times for photo printing	Overheated printhead	Control printer status via the maintenance menu (see 5.4)	
Photo printer paper error	Paper jam in printer	See instructions in the DP-DS620 user manual page 20	
Ribbon error in photo printer	Ribbon caught in the printer	See instructions in the DP-DS620 user manual page 22	
Partially cut paper in paper tray	Plugging cutting knife	See instructions in the DP-DS620 user manual page 23	
Main compartment of the photo printer does not open	Power supply was interrupted during printing	See instructions in the DP-DS620 user manual page 23	



7 Value preservation

- Perform regular visual checks on the overall condition of the device.
- Perform touch screen test across the entire surface.
- · Check display for abnormal artifacts or unusual color changes.
- Check for moisture in the interior and insect infestation.

Clean the housing only with non-aggressive cleaning products (e.g., warm soapy water). Clean the glass front regularly with glass cleaner and microfiber cloth.

If the device is to be taken out of operation, switch it off (see chapter **4.3**) and protect it with a cover.



Fire hazard: Do not cover the device when switched on!

8 Support

Our customer service / technical support is available as follows:

Adress:	Alturos Destinations GmbH
	Am Bach 4
	A-6840 Götzis
Phone:	+43 463 249 445-880
Mail:	b2b-support@skiline.cc
Web:	www.alturos.com

In addition, we are always interested in information and experiences that result from the application and can be valuable for the improvement of our products.

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9 Disassembly & disposal

9.1 Disassembly

Disassembly must be carried out by a qualified technician. The device and all operating materials must be disposed of properly.

9.2 Disposal

At the end of the device's service life, it must be disposed of by a qualified company. In exceptional cases and after consultation with Alturos Destinations GmbH the device can be returned.



Risk to the environment: Incorrect disposal can pose risks to the environment.



Attention: Electrical waste, electronic components, lubricants and other additives are subject to hazardous waste treatment and may only be disposed of by authorized companies!

The local municipal companies can provide information on environmentally friendly disposal.