



iCash 15E, Version 2

Operating Manual

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iCash 15E, Version 2

Operating Manual

Edition November 2017

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Abbreviations

B

BSMI Bureau of Standards, Metrology and Inspection

C

CE Communauté Européenne (Declaration of Conformity)

CFR Code of Federal Regulation

CNS Chinese National Standards

CSA Canadian Standards Association

D

DT Data Transmission

E

EC Europeann Community

EMC Electromagnetic Compatibility

EN European standard

F

FCC Federal Communications Commission

I

ICES Interference Causing Equipment Standards

IEC International Electrotechnical Commission (Internationale elektrotechnische Kommission)

ISO International Organization for Standardization (

U

UL Underwriters Laboratories Inc.

Introduction

This operating manual provides all the information required for problem-free operation of the coin deposit / coin dispenser module iCash 15E, version 2.

Having studied the operating manual you will be able to:

- fill coin hoppers with coins,
- fix basic problems,
- properly operate the device.

Symbols used in this manual

- Text following this mark represents an item in a list.

" " Text in quotation marks contains references to other chapters or sections in this document.

- Paragraphs following this symbol are actions to be performed in the order in which they are specified.



Text introduced by this symbol should be given special attention in order to avoid damage and injury.



This symbol identifies paragraphs which contain general notes to facilitate use of the device and help avoid operating errors.

Warnings



In positions with a warning sign, there is danger that body parts could be pinched in the mechanism!

Important safety precautions



Please read the following notes carefully before doing any work on the device.

- This device complies with the relevant safety regulations for information processing equipment.
- Note the warning and information labels on the device.
- The device is equipped with a safety-tested power cable, which must be connected only to a suitable grounded outlet.
- Always hold the plug when removing the power cable. Never pull the cable itself.
- Install cables in such a way that they will not be stepped on or tripped over or damaged or crushed in any way.
- Have damaged power cables replaced immediately.
- Make sure that there is always free access to the sockets used or to the electrical circuit-breakers of the house installation.
- In case of an emergency (e.g. damaged cabinets, controls or power cables, liquids or foreign objects in the device) take the following steps:

Deactivate the device immediately by:

Switching off the automatic circuit-breaker or removing the fuse inset from the fuse holder in the distribution box of the building installation;

Disconnecting the plug connector of the power supply cable from the grounded socket in the building installation.

Inform the customer service responsible for you.

- During a thunderstorm, data transmission lines must not be connected or disconnected.
- Always keep the device's vents free from obstruction to ensure proper air circulation and to prevent malfunctions resulting from overheating.
- Only use accessories and extension components that have been approved by us. Nonobservance can result in damage to the device or violations of regulations concerning safety, radio interference and ergonomical requirements.

- Note that there are only safety extra-low voltage circuits (SELV circuits) if you want to feed voltage from an external source into prepared cables to install additional electronics (e.g. connection for an intruder alarm system).
- To clean the device only use cleaning agents approved by Diebold Nixdorf (see chapter "Appendix", section "Approved cleaning materials").

Repairs



Repair work may only be carried out by authorized personnel.

Unauthorized opening of the device or repair work carried out improperly could result in considerable danger to the user.

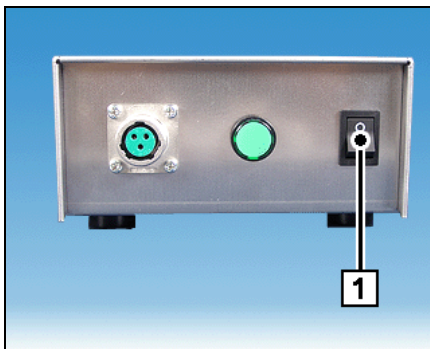
In case of noncompliance, Diebold Nixdorf International GmbH excludes all liability.

General power interrupt



A general power interrupt has the following effects:

- All current transactions are immediately aborted.
- Coins may remain in the transport paths. After turning on iCash 15E, check whether there are any coins left in the transport paths and remove them.



Switch off the device at the power supply unit's power switch (1).

- To ensure that the entire device is disconnected from power, you must also pull the plug of the power supply unit's power cable from the wall outlet or interrupt the power supply in the distributor box of the building by switching off the circuit-breaker or by removing the fuse.

Device Overview

The iCash 15E is a coin deposit / coin dispenser module which has been designed for indoor installation. Voltage is supplied by a separate power supply unit with its own ON/OFF switch. The device is operated via the product-specific software for the system unit (PC) connected to the device.

Deposits are made by placing one or more coins in the coin entry tank. From here, they are transported to the separator disk. Coins are fed via the coin validator to the transport chain conveyor, where they are transported to the appropriate coin hoppers and stored. Coins of one denomination only can be stored in each coin hopper. The configuration of the eight available coin hoppers is preset in the factory and cannot be changed.

Foreign objects are removed and placed in the dust box.

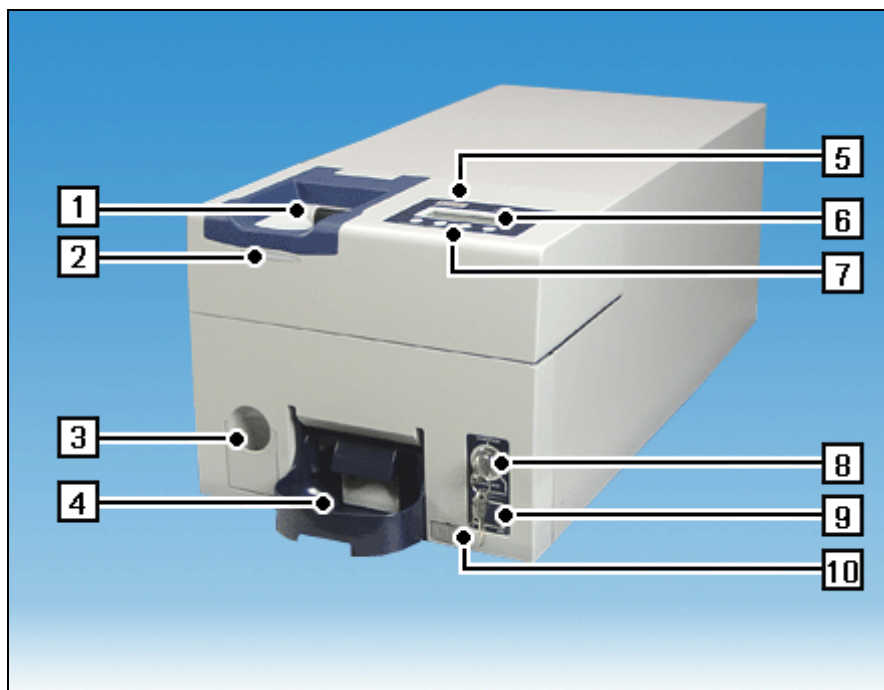
When there is no space left in a hopper, coins are stored in the available overflow box. Coins of various denominations can be stored in the overflow box; coins cannot be dispensed from the overflow box. When the overflow box is full, the coins are returned to the depositor.

Coins are dispensed from the coin hoppers. The coins are moved from the coin hoppers to the transport belt and transported to the coin return box.

The coin paths and the overflow box are monitored with sensors.

Error messages are displayed on the LCD display of iCash 15E.

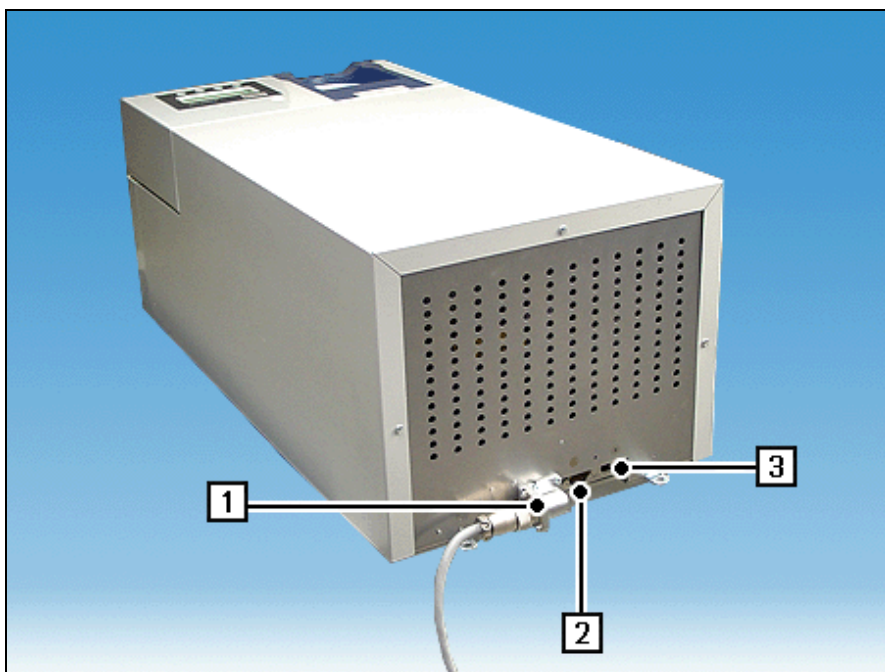
Overall view



- 1 Coin entry tank
- 2 Status display
- 3 Dust box
- 4 Coin return box
- 5 Loudspeaker
- 6 Control panel display

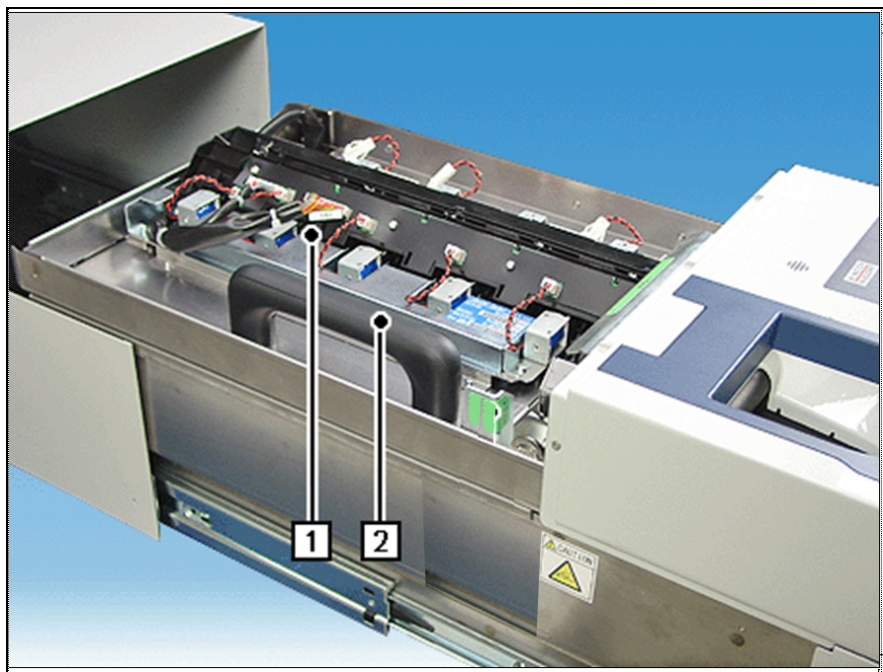
- 7 Function keys (only for service purposes)
- 8 Lock
- 9 Flap covering ON/OFF switch
- 10 Release for coin return box

Rear



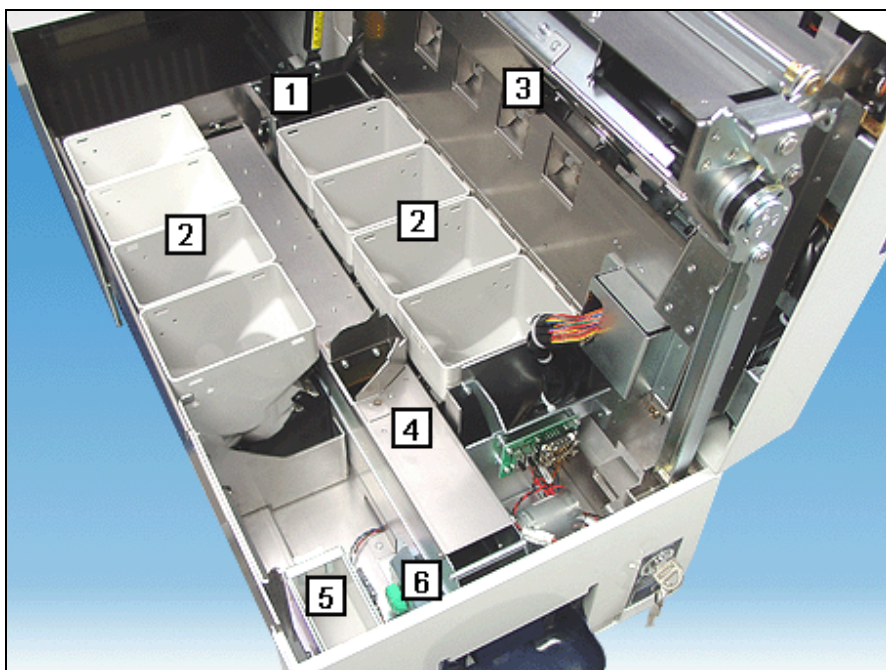
- 1 Power supply via separate power supply unit
- 2 V.24 interface for connecting the PC
- 3 USB port

Coin module pulled out



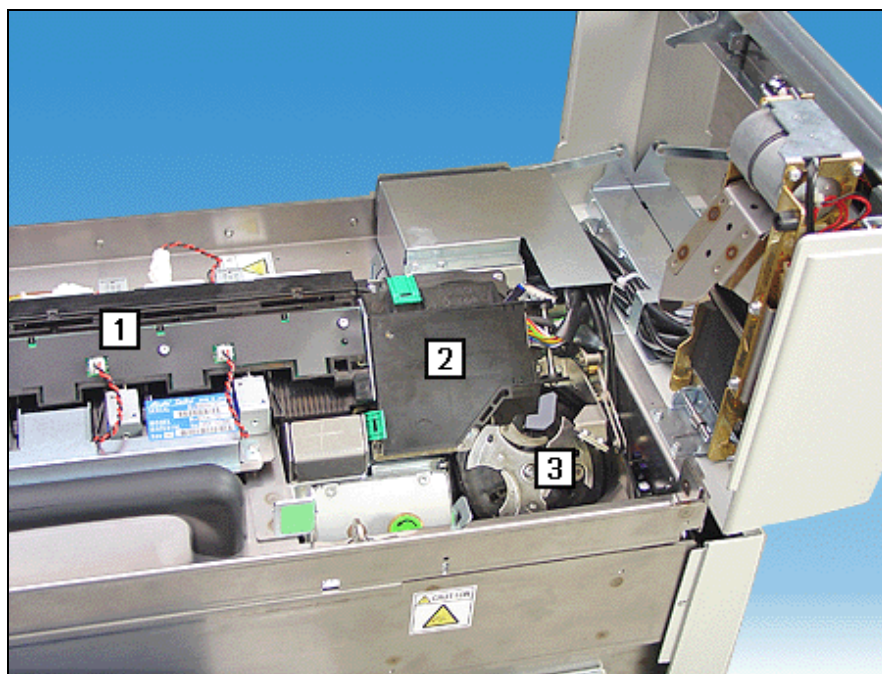
- 1 Sorting unit
- 2 Handle for lifting and lowering the sorting unit

Coin module open



- | | |
|-----------------------------|---|
| 1 Overflow box | 5 Dust box |
| 2 Coin hoppers | 6 Knob for manual feed
of coin payout belt |
| 3 Sorting unit | |
| 4 Cover of coin payout belt | |

Operating unit open



- 1 Transport chain conveyor
- 2 Cover for coin validator

- 3 Separator disk

Basic Operation

General

To operate iCash 15E, you will need the product-specific software, which is installed on the connected system unit (PC).



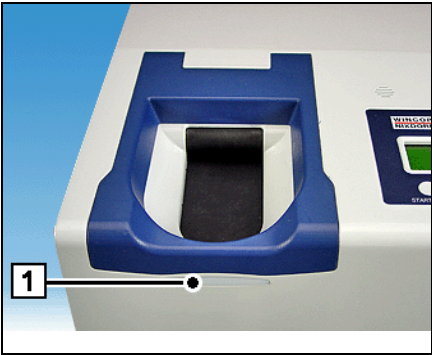
You will not be able to carry out support/maintenance tasks without the product-specific software.

The product-specific software is necessary, for example, when you empty the coin hoppers.

The dialog for the product-specific software is executed via the system unit (PC).

Function elements

Status LED



Status LED (1) displays the status of iCash 15E.

green The device is being supplied with line power. The device is ready for operation.

green The device is ready for deposit.

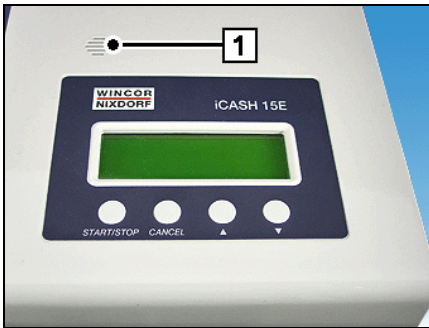
yellow A warning is displayed on the control panel.

yellow The device is ready to take coins and a warning is displayed.

red A problem has occurred.

In order to remedy a problem, look in the chapter "Problems". If you cannot remedy the problem, you should contact Service.

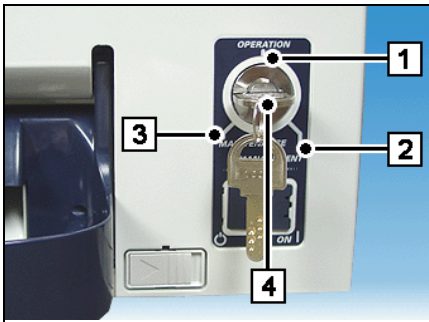
Acoustic signals



Acoustic signals are output over the loudspeaker (1).

Modes

iCash 15E provides three modes:



- 1 Operation
- 2 Management
- 3 Maintenance (for service technicians only)

Without a key, iCash 15E is at the Operation mode (1).

With the aid of the key (4), the Management (2) or Maintenance (3) mode can be selected.

In Operation mode, iCash 15E can be put into operation (see section "Switching on/switching off iCash 15E").

In Management mode, the coin module can be removed from the housing. When the coin module is pulled out, an additional lock can be released and the sorting unit opened, e.g. in order to clear possible coin jams. This requires another key, which is only handed out to authorized persons.

The Maintenance mode is only intended for use by service staff.

Keys for iCash 15E



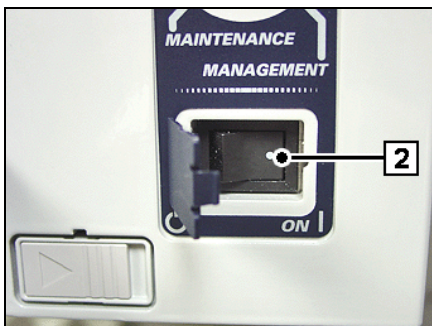
- 1 Key for setting the iCash 15E modes.
- 2 Key for releasing the sorting unit (authorized persons only).

Switching on/switching off iCash 15E

Switching on iCash 15E



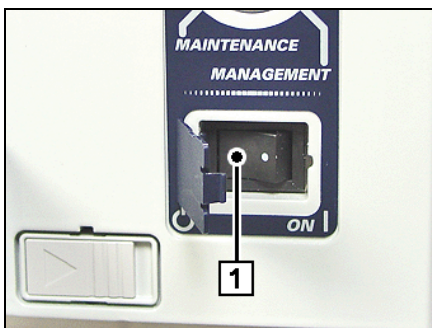
Open the cover (1) ...



... and switch iCash 15E on with the ON/OFF switch (2).

The device is now operational.

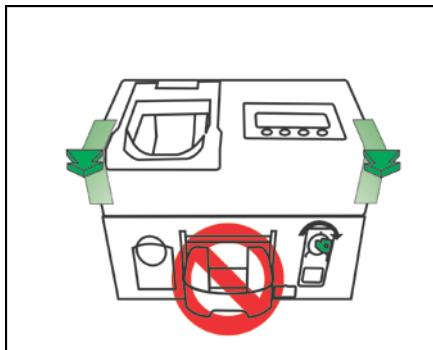
Switching off iCash 15E



Switch iCash 15E off with the ON/OFF switch (1) and close the cover.

Opening / closing iCash 15E

Pulling out the coin module



Insert the key in the lock, turn it as far as possible to the right and hold it in this position.

Pull the coin module forwards as far as possible out of the housing by the edge of the coin entry tank (see arrows).



As soon as the coin module is pulled out from the housing, the device is isolated from the power supply with a safety switch.

Pushing in the coin module

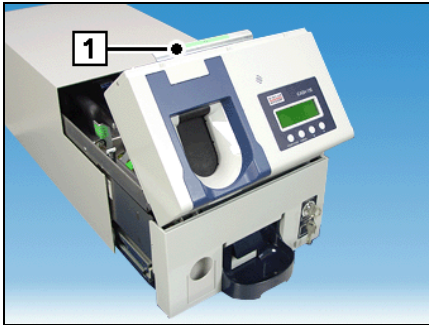


Push the coin module into the housing as far as possible.

- Turn the key to the left to the Operation mode and remove the key from the lock. The device is now ready for operation again.

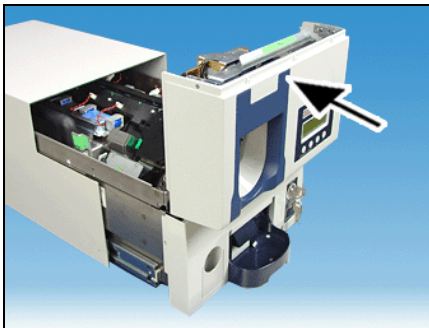
Lifting up the operating unit

- Pull the coin module out of the housing slightly (see section "Pulling out the coin module").



Raise the operating unit by the green handle (1) to open it.

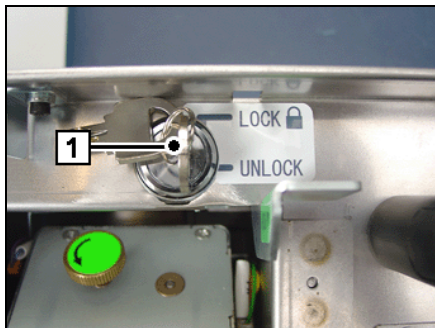
Pushing down the operating unit



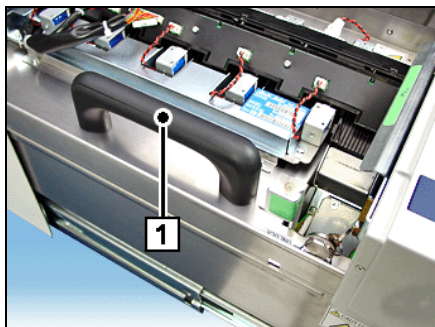
Grasp the operating unit at the right and left, lower it until it locks into position and push it as far as possible into the housing (see section "Pushing the coin module in").

Lifting up the sorting unit

- Pull out the coin module (see section "Pulling out the coin module").



Insert the key used to unlock the coin module (key 2 in the section "Keys for iCash 15E") in the lock and turn it to the left until it reaches the 'UNLOCK' position.

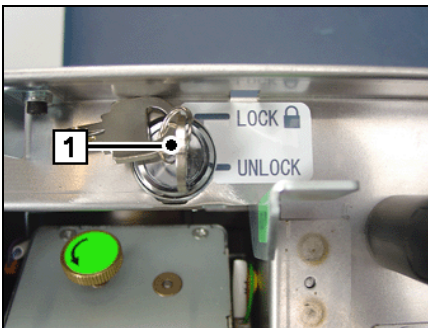


Raise the sorting unit by the black handle (1).

Lowering the sorting unit



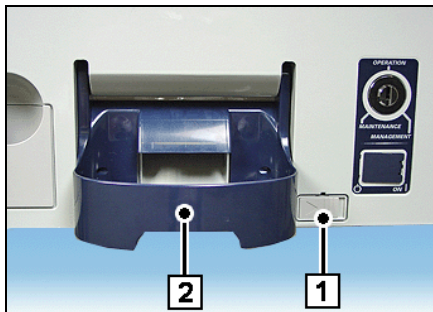
Lower the sorting unit with the black handle (1) in the direction of the arrow as far as possible



Lock the coin module by turning the key back into the 'LOCK' position (1).

- Push the coin module back in the housing (see section "Pushing in the coin module").

Lifting the coin return box



Push the slide (1) to the right and push the coin return box (2) up.

Filling the coin hoppers

The hoppers can be filled either by inserting the coins directly in the coin entry tank or by using a refill cassette.

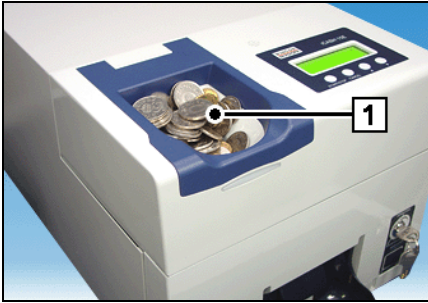
Filling coins directly into the coin entry tank



If you want to fill in more than 50 coins you should do so by either portioning the amount of coins with at most 50 coins. Or, use the refill cassette.



When you fill the hopper, make sure that no foreign objects or coin types that do not comply with the configuration of the hopper you are filling are put into the coin entry tank.



Place the coins in the coin entry tank (1) and start the deposit process via the product-specific software.

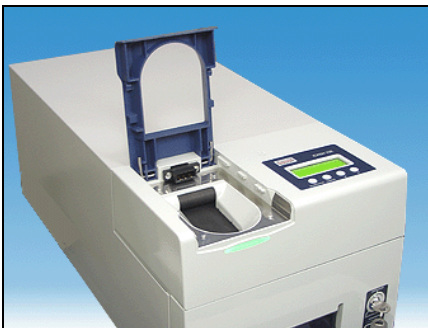


The coin types / sizes that the coin hoppers can handle are preset in the factory.

Filling hoppers using a refill cassette



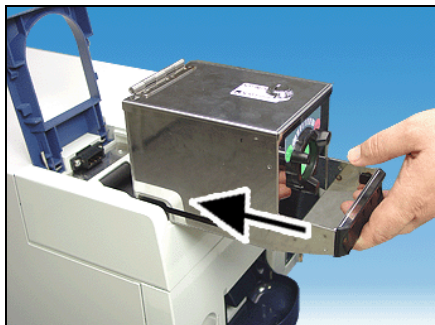
Release the blue faceplate of the coin entry tank via the product-specific software and push it in the direction of the arrow as shown here and ...



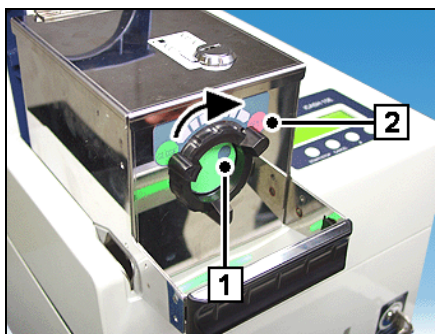
... lift the faceplate.



Make sure that there are no coins or foreign bodies in the coin entry tank.



Push the refill cassette over the coin entry tank as far as possible and ...



... turn the locking/release knob in the direction of the arrow so that mark (1) points to the 'OPEN' position (2).

Start entering the coins via the product-specific software.

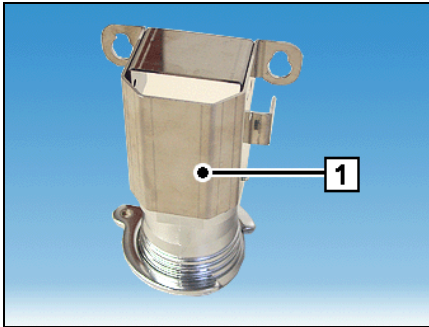
After all coins have been entered turn the locking/release knob back to 'CLOSE' and remove the refill cassette. Lower the faceplate of the coin entry tank again and push it back as far as possible.



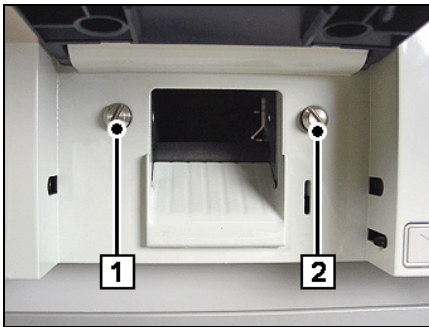
The coin types / sizes that the coin hoppers can handle are preset in the factory.

Emptying the coin hoppers

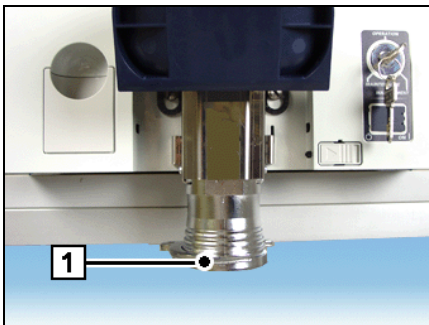
- Raise the coin return box (see section "Lifting the coin return box").



When you want to empty the coin hoppers, you should use the special safe bag holder (1). This section describes the process to follow.



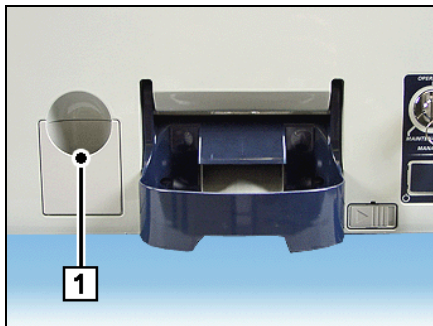
Hook the safe bag holder with the two holes onto positions (1) and (2).



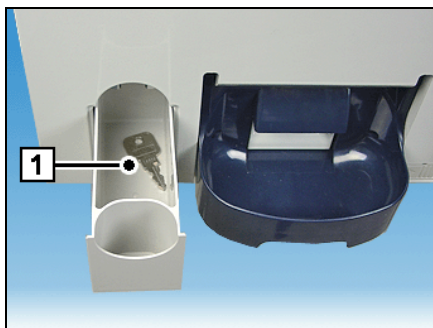
Lift the ring (1) at the base of the safe bag holder, attach the safe bag and press the ring down again.

- Start emptying the particular coin hopper via the product-specific software.
- Remove the safe bag again by pushing the ring upwards.
- Remove the safe bag holder and lower the coin payout tray again.
- Exit the product-specific software.

Emptying the dust box



Pull the dust box (1) out of the device.

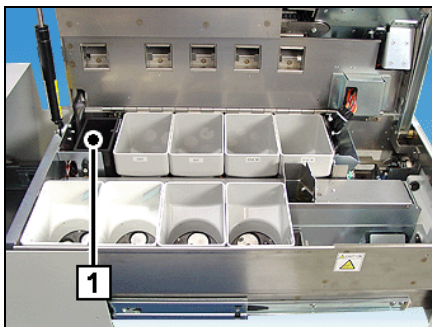


Empty the dust box (1).

i If required, the dust box can be removed completely from the device to empty it.

Emptying the overflow box

- Raise the sorting unit (see section "Lifting up the sorting unit").



Remove the overflow box (1) and empty it.

- Lower the sorting unit (see section "Lowering the sorting unit").

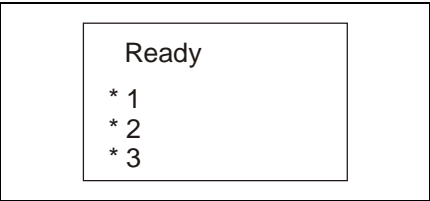
Problems

If a problem occurs or a warning is issued, the status LEDs will light up red or yellow. The messages are displayed on the LCD display of iCash 15E.

If the rejection rate of the coins rises, the coin validator must be cleaned.

Error messages / warnings

Standby mode



In standby mode, the messages can be displayed in three lines (*1, *2, *3).

Line *1

Message	Meaning	Remedy
No battery	Backup battery not available	Please contact Service.
Low battery	Backup battery low	Please contact Service.
Upgraded	Firmware updated	

Line *2

Message	Meaning	Remedy
Restarted by WDT	Firmware malfunction	Please contact Service.
Restarted by POS	Reset performed	

Line *3

Message	Meaning	Remedy
E_D00: no OVF BOX	Overflow box missing	Insert the overflow box.
E_D01: full OVF BOX	Overflow box full	Empty the overflow box.
E_D02: NG Entry tank1	Coin entry tank is open	
E_Xxx: Payout Sens	Sensor error	Remove the hopper and check whether the sensor is dirty or whether coins have jammed.
W_D03: See Entry tank	Object in coin entry tank	Check the coin entry tank.
W_D04: no tray	Coin return box not in correct position	Check the coin payout tray.
W_D05: full tray	Coin return box full	Empty the coin return box, check for dirt and proper fit.
Shutdown in deposit	Reset after deposit problem	
Shutdown in dispense	Reset after dispense problem	

Deposit process

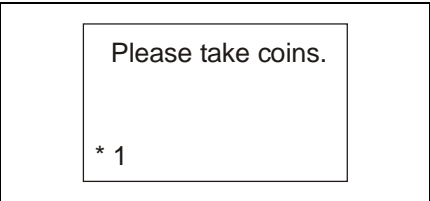


During the deposit process, messages are displayed in one line (*1).

Message	Meaning	Remedy
E_D09: Entry Jam	Coin jam in coin entry tank, separator, coin validator or transport chain conveyor	Clear the coin jam.
E_D08: NG Cancel Gate	Foreign objects cannot be removed and placed in dust box.	Remove the foreign object.
E_D07: NG Gate OVF	Coins are being transported to the overflow box.	
E_D06: Payout Belt Jam	Coin jam on transport belt during payout	Clear the coin jam.
E_Ex: Count Short	The number of coins counted at a gate is lower than the number of coins counted by the coin validator for one denomination.	Check the respective photosensor on the transport chain conveyor for foreign objects.
E_Fx: Count Over	The number of coins counted at a gate is higher than the number of coins counted by the coin validator for one denomination.	Check the respective photosensor on the transport chain conveyor for foreign objects.
E_DC: Wiper Error	Coin Transport Error/ Transport Failure	- Remove all coins in coin validator and transport chain conveyor and remove foreign objects
E_DB: Invalid Coin	Double coins detected	See above

Message	Meaning	Remedy
W_D04: no tray	Coin return box not in correct position	Check the coin payout tray.
W_D05: full tray	Coin return box full	Empty the coin return box and/or check whether the coin return box is dirty. Make sure that the coin return box is properly in place.
W_D03: See Entry tank	Object in coin entry tank	Check the coin entry tank.
W_D01: full OVF BOX	Overflow box full	Empty the overflow box.

Dispensing process

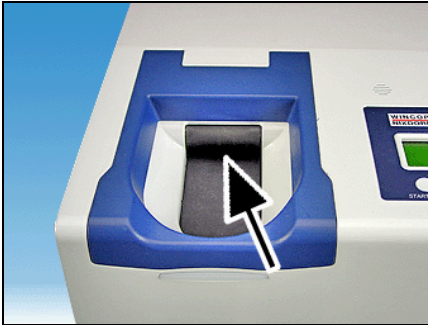


During the dispensing process, messages are displayed in one line (*1).

Message	Meaning	Remedy
W_D04: no tray	Coin return box not in correct position	Check the coin payout tray.
W_D05: full tray	Coin return box full	Empty the coin payout tray.
E_[2x]: Short	Coin hopper x is almost empty.	Pay coins into the appropriate hopper.
E_[5x]: Over	Too many coins have been paid out of coin hopper x	
E_Xxx: Payout Sens	Sensor error	Remove the hopper and check whether the sensor is dirty or whether coins have jammed.
E_D06: Payout Belt Jam	Coin jam on transport belt during payout	Clear the coin jam.

Eliminate coin jams

Coin entry tank

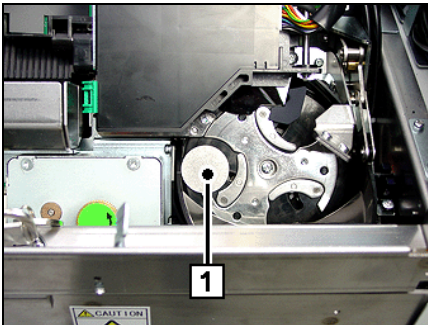


Check to make sure that no coins are jammed in the coin entry tank (see arrow).

Clear the coin jam.

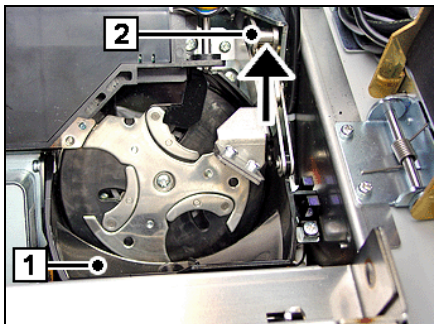
Separator disk

- Lift up the operating unit (see section "Lifting up the operating unit").



Check whether there are any foreign objects (1) in the separator disk and make sure that no coins are jammed.

Remove the foreign objects or coins.

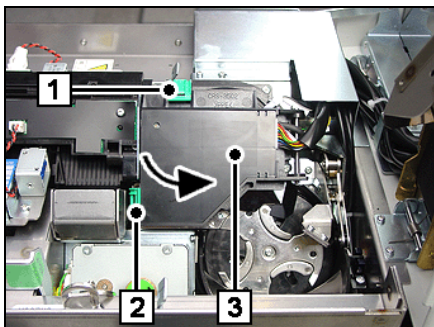


If foreign objects are jammed between the separator disk and the delivery flap (1) for the dust box, remove the foreign objects by pressing against the joint (2) as shown by the arrow in order to lower the delivery flap slightly.

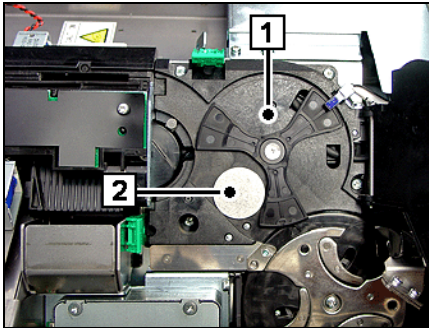
- Push down the operating unit (see chapter "Basic Operation", section "Pushing down the operating unit").

Coin validator

- Lift up the operating unit (see section "Lifting up the operating unit").



Flip the green latches (1) and (2) outwards and lift the cover on the coin validator (3) (see arrow).

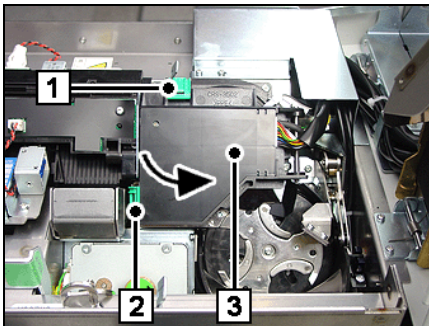


Check to make sure that no coins are jammed (2) in the coin validator (1). Remove the jammed coins and close the coin validator cover again and lock it in position.

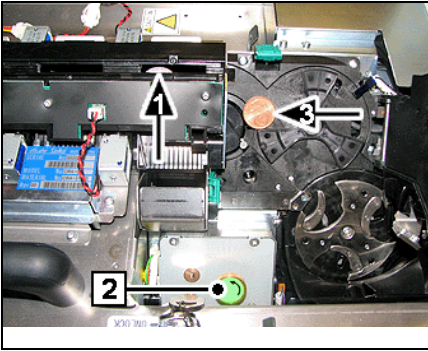
- Push down the operating unit (see chapter "Basic Operation", section "Pushing down the operating unit").

Transport chain conveyor

- Pull the coin module out of the device as far as possible (see section "Pulling out the coin module").
- Lift up the operating unit (see section "Lifting up the operating unit").



Flip the green latches (1) and (2) outwards and move the cover (3) on the coin validator to the side (see arrow).



Check the transport chain conveyor for jammed coins (1).

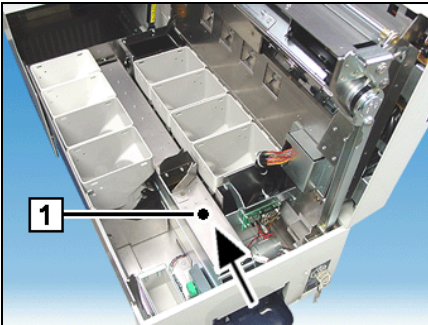
For this purpose open the cover of the coin validator to the right and keep it open while turning the green wheel counter-clockwise (2) and removing coins (3).

Close the coin validator cover again until you hear it lock into position.

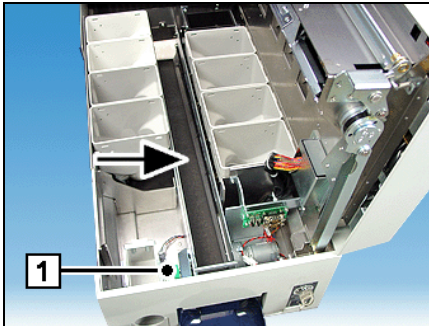
- Push down the operating unit (see chapter "Basic Operation", section "Pushing down the operating unit").

Coin payout belt

- Raise the sorting unit (see chapter "Basic Operation", section "Lifting up the sorting unit").

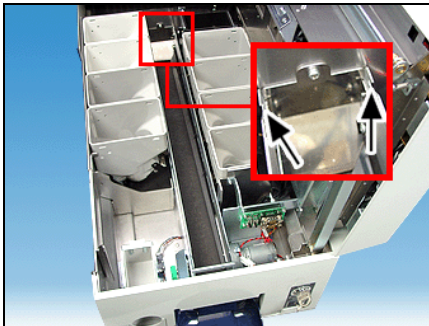


Push the cover of the conveyor belt (1) a little in the direction of the arrow and remove it upward.



Check the transport belt (see arrows) for any jammed coins.

Turn the green knob (1) if necessary to release any jammed coins.

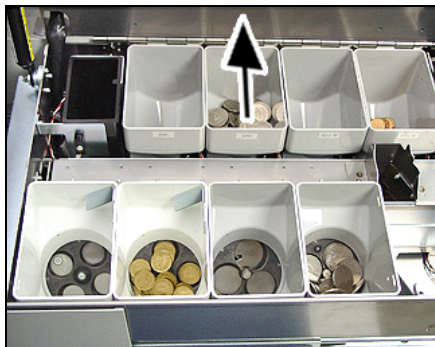


Place the cover of the conveyor belt on the lugs in back (see arrows) and lower the cover.

- Lower the sorting unit again (see chapter "Basic Operation", section "Lowering the sorting unit").

Coin hopper

- Raise the sorting unit (see chapter "Basic Operation", section "Lifting up the sorting unit").



Remove the relevant hopper upwards (see arrow).

Empty the hopper and put it back in place.



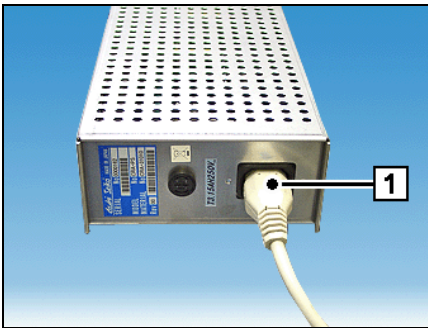
To avoid inventory discrepancies the same amount of coins must be placed in the hopper.

- Lower the sorting unit again (see chapter "Basic Operation", section "Lowering the sorting unit").

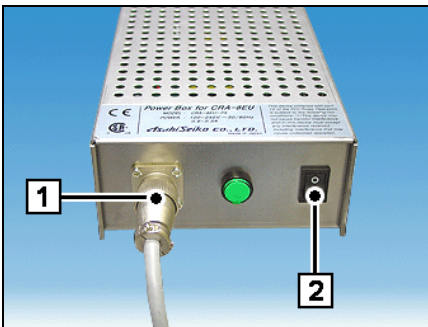
Other problems

No power supply

- Check that the power cord connector for the power supply unit is correctly inserted in the socket provided for this purpose.

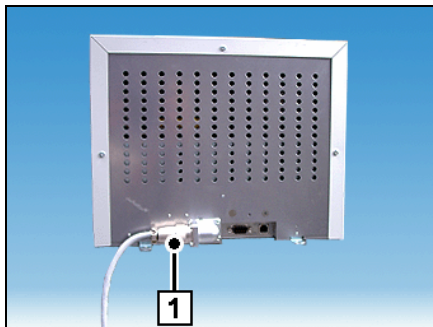


Check that the connector (1) on the rear of the power supply unit is correctly inserted.



Check that the connector (1) on the front of the power supply unit is correctly inserted.

Check the power supply unit's (2) ON/OFF switch to make sure that the power supply unit is switched on.



Check that the connector (1) is correctly inserted on the rear of iCash 15E.

In the event that the problem with the power supply persists, contact Service.

Care, Cleaning and Maintenance



The device must be switched off for service and maintenance work.

You should service and clean the parts of the device listed below at the specified intervals.

In addition, please note the following:

- Take care not to drop any cleaning liquids into the device.
- Only use the cleaning material listed in this manual. Do not use thinners.

Information where to order the listed cleaning materials is given in the chapter "Cleaning materials".

Maintenance

- Check the dust box once a day and empty it if necessary.
- Perform a visual inspection of the coin hoppers and coin paths.
- Clean the coin paths.

Cleaning the housing

Cleaning interval:	as needed
Cleaning material:	Wet cleaning cloths
for stainless steel surfaces	Ballistol oil for cleaning stainless steel
for varnished surfaces	Diebold Nixdorf cleaning set
for plastic surfaces	Diebold Nixdorf cleaning set

Cleaning the coin paths

Clean the coin paths with compressed air.

Cleaning interval: when necessary, at least once a month

Cleaning material: Diebold Nixdorf air duster

Cleaning the coin validator

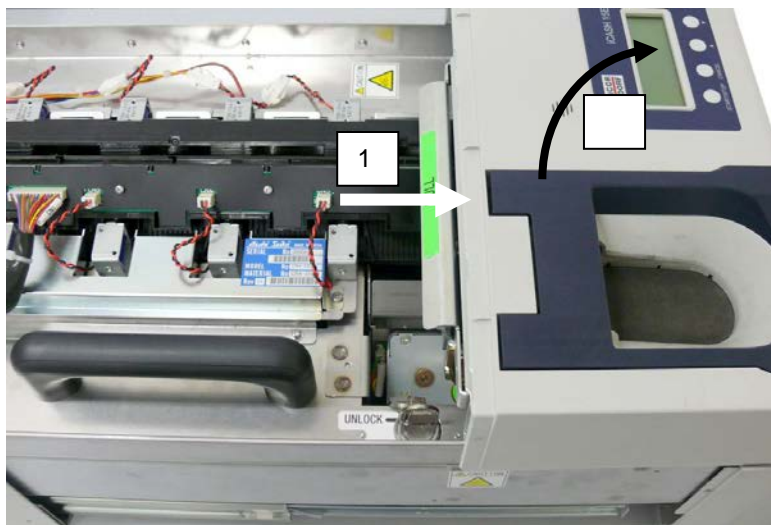
Cleaning interval: Twice a week

Cleaning material: Diebold Nixdorf cleaning swabs

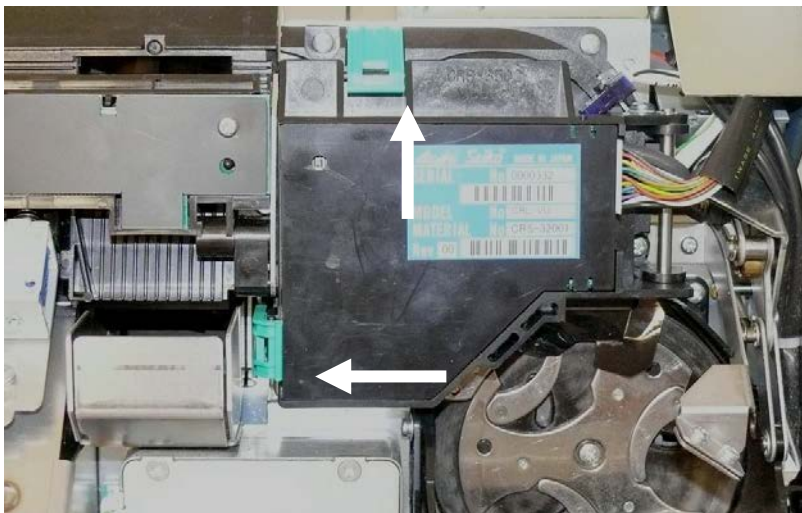


Only use green marked handles and knobs for moving parts.

- Pull out the iCash 15E
- Pull the green lever (1) and swing the front cover open (2).



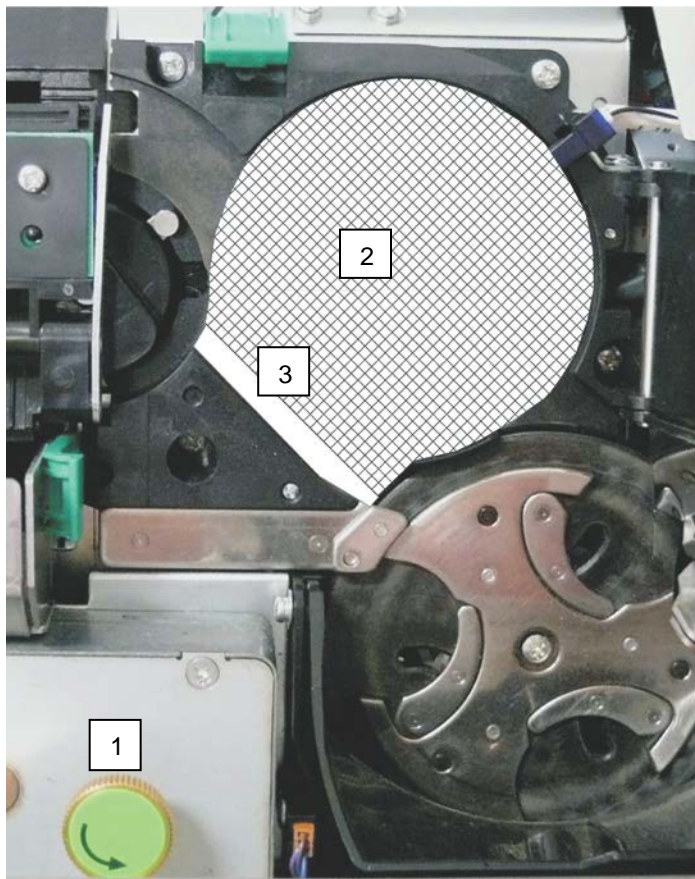
- Unlock the green levers (arrows) and open the cover to the right.





Always use a commercially available **hard** toothbrush to clean then area. Finally, clean the area with a slightly moistened (Isopropylalkohol) cloth and then dry it.

To clean the whole area (marked shaded) turn the green wheel (1) to bring the rotor (2) to a different position. Pay special attention to the thickly white marked area (3).



- Mount the device in logically reverse order.

Appendix

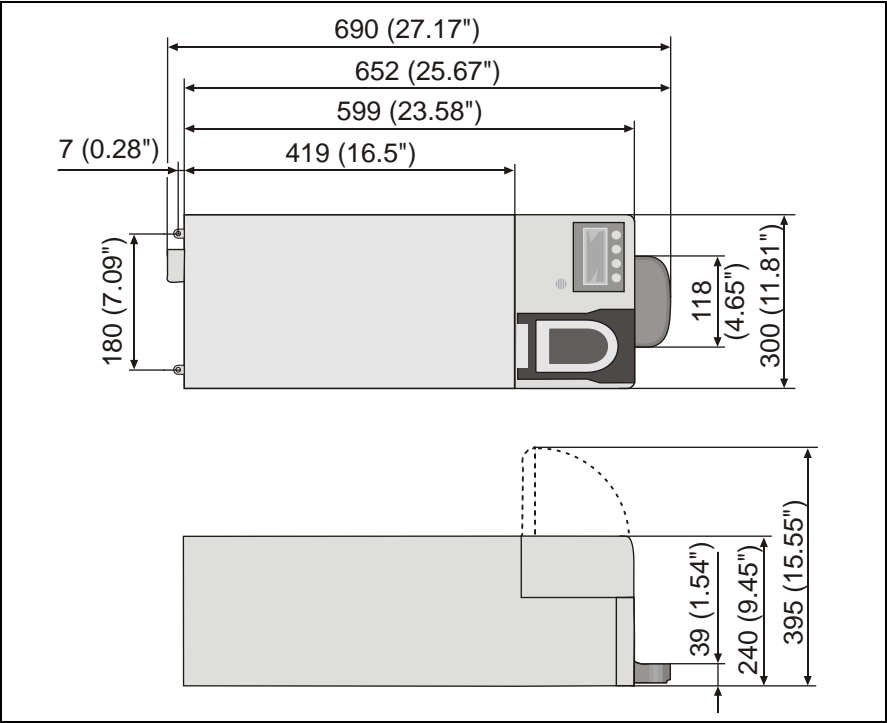
Technical data

Electrical characteristics of the supply network

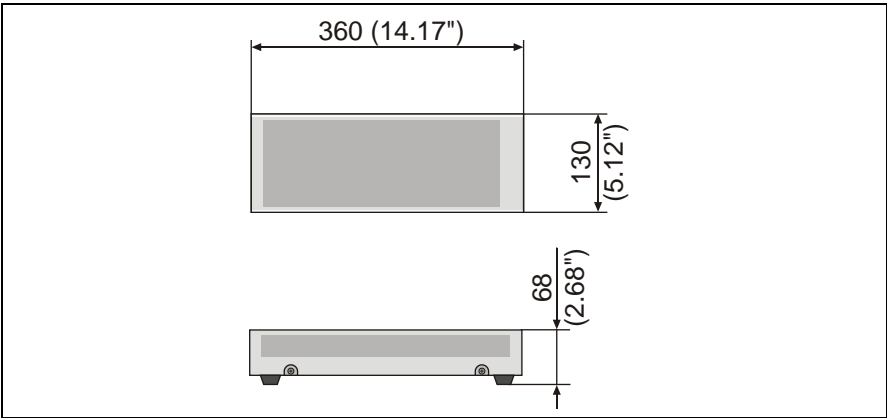
Line voltage range:	100 - 240 V
Rated frequency:	50/60 Hz
Network type:	TN (network with PE conductor)
Permissible tolerance for voltage range:	- 10 % to + 6 %
Permissible tolerance for rated frequency:	± 1 %

Installation specifications

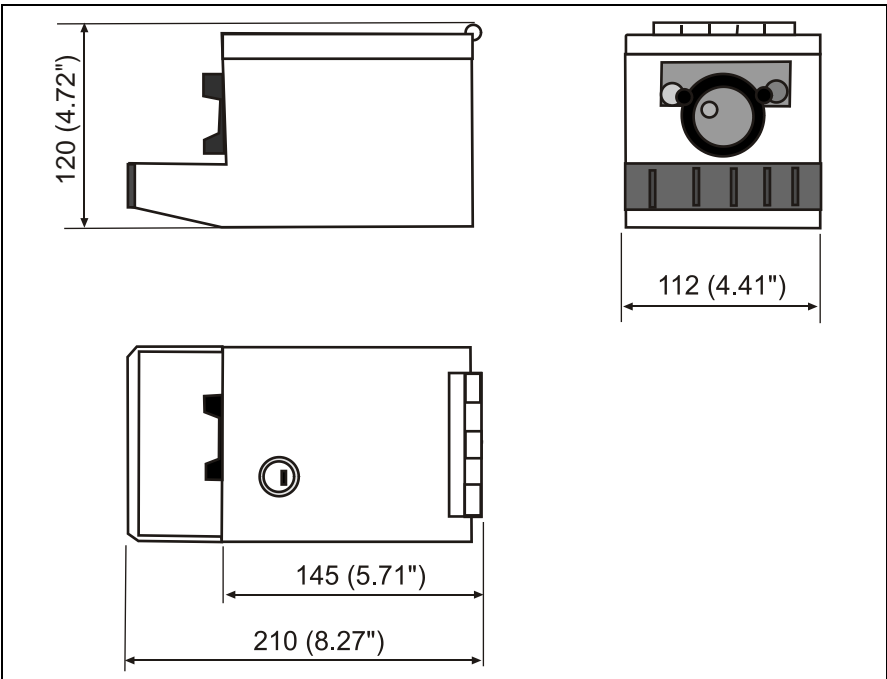
iCash 15E



Power supply unit



Refill cassette



Dimensions

	iCash 15E	Power supply unit	Refill cassette
Dimensions			
Height:	240 mm (9.45")	68 mm (2.68")	120 mm (4.72")
Height with raised faceplate:	395 mm (15.55")	-	-
Width:	300 mm (11.81")	130 mm (5.12")	112 mm (4.41")
Depth:	652 mm (25.67")	360 mm (14.17")	210 mm (8.27")
Depth with connectors:	690 mm (27.17")	-	-
Operation and maintenance area:			
	0.65 m² (6.99 ft²)	0.05 m² (0.11 ft²)	
Weight:	35 kg (77.18 lb)		
Weight with coins:	47 kg (103.64 lb)		

Environmental conditions

Climatic environmental conditions in acc. with EN 60721

	Class	Ambient temperature		Relative humidity
		°C	(°F)	% r.h.
Operation (indoors):	3K2	+ 15 to + 35	(+ 59 to + 95)	10 to 75
Limit range of operation (indoors): **	3K3	+ 5 to + 40	(+ 41 to + 104)	5 to 85

* The temperature value of + 35 °C / + 95°F deviates from the value of the standard (+ 40 °C / + 104 °F).

** In the limit range the device may only be operated for a short period of time.

Noise emission in acc. with EN 27779

Noise rating according to ISO 9296	Idle mode	Operation**
Workplace-related sound pressure level LpAm (at adjacent workplace)	55 dB	65 dB

** average operating cycle



When selecting the installation site, noise emission should be taken into account.

Fans in operation or the noise produced during a transaction could disturb people in the immediate vicinity of the device and may therefore need to be diminished with soundproofing (e.g. soundproof cabinets, etc.).

They must comply with the environmental conditions (see section "Environmental conditions") that apply to the specific device and the maintenance areas (see "Space required for operation and maintenance").

Approved cleaning materials

The following items can be ordered directly from Diebold Nixdorf.

Notes on using cleaning materials



Please note the manufacturer's specifications on the packaging and on the information sheet included in the packaging. The product may be damaged or soiled if materials are used that are not approved or if they are used improperly.

General-purpose cleaning materials

Product name	Order no.	Remarks
Diebold Nixdorf cleaning set	01750097335	Cleaning and care of keyboards, paint and plastic finishes
Diebold Nixdorf screen cleaning wipes	01750097334	
Wet and dry cleaning set for removal of paint application (vandalism)	01750005234	
Universal cleaning cloth	01770005406	
Diebold Nixdorf air duster, (400 ml)	01750097331	Pure high pressure gas, CFC-free, for removal of loose dust and dirt particles

Environmental protection

Environmentally and recycling-friendly product development

This product has been designed according to our corporate guideline 'Environmentally and recycling-friendly product development'.

This means that crucial criteria such as long life, choice of material and its labeling, emissions, packaging, ease of disassembly and recyclability have been taken into account. This saves resources and relieves the strain on the environment.

Saving energy

Please switch on devices that need not be constantly running only when they are actually needed. They should also be turned off when they are not needed for longer periods of time.

Disposing of used consumables

Dispose of printer consumables, batteries and cleaning and maintenance materials according to national regulations (where relevant complying with vendor specifications).

Labels on plastic case parts

Please do not stick any labels on plastic case parts since that would make recycling more difficult.

Returning, recycling and disposing of used units and consumables

Details regarding the return and recycling of used units and consumables can be obtained from your local branch office or from our Recycling Center in Paderborn.

Compliance with standards and certifications

Standards met

Safety standards:

EN 60950 UL 60950 CSA C22.2-60950 IEC 60950

EMC standards:

EN 55022 class B EN 55024 EN 61000-3-2
EN 61000-3-3 FCC CFR 47, part 15, subpart B, class A
ICES-003 (CSA 108.8) BSMI-Standard CNS 13438 Class

Conformity

The CE mark of conformity attached to the product or its package indicates that the product complies with the requirements of the following EC directives EMC Directive 89/336/EEC including amending directive 93/68/EEC

- Low Voltage Directive 2006/95/EC

Notes concerning radio interference suppression and electrical safety

All other device connected to this product must comply with the EMC Directive 89/336/EEC including the amending directive 93/68/EEC and the Low Voltage Directive 2006/95/EC.

FCC rules and Canadian Standard ICES - 003

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules and Canadian

Standard ICES - 003. These limits are designed to provide reasonable protection against harmful interference when the equipment is operating in a commercial environment. The equipment generates, uses and can radiate high frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

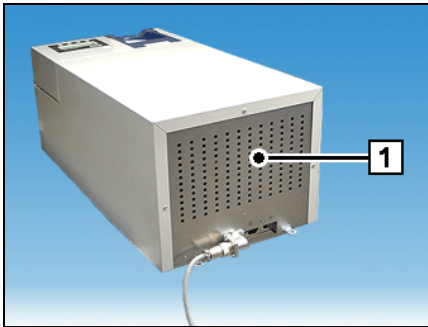
Certification for data transmission

The certification number or CE mark of the data transmission module (if present) is attached directly to the DT card or to the housing of the system unit.

Installation notes

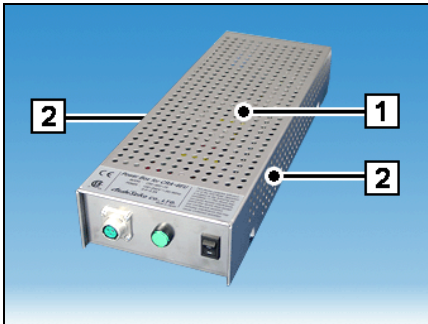
Vents

iCash 15E



The device features vents on the rear side (1). Make sure that the distance between the vents and the wall is always at least 55 mm (2.17").

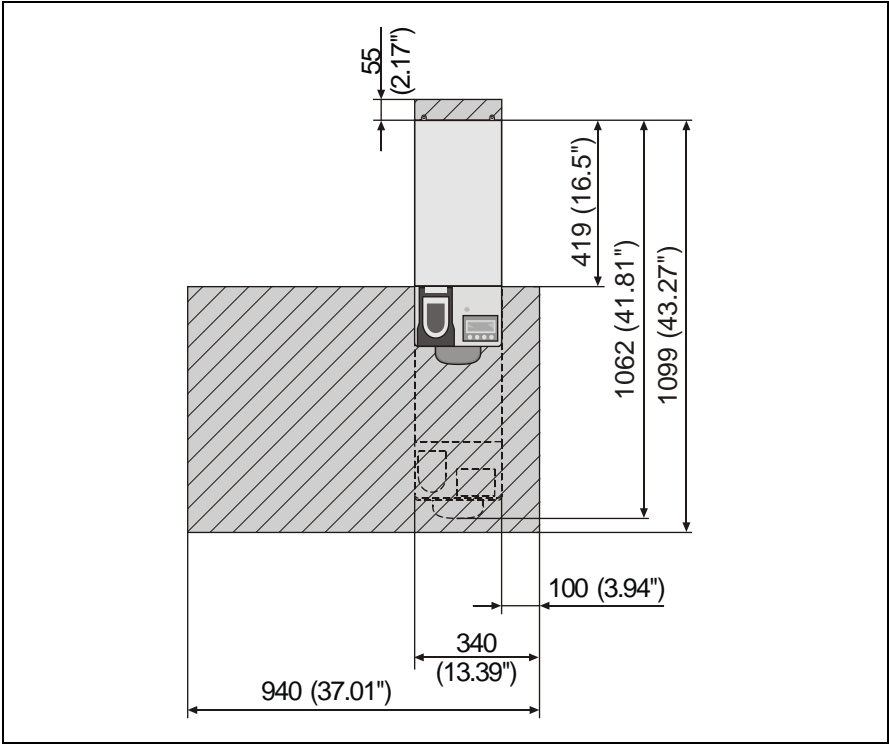
Power supply unit



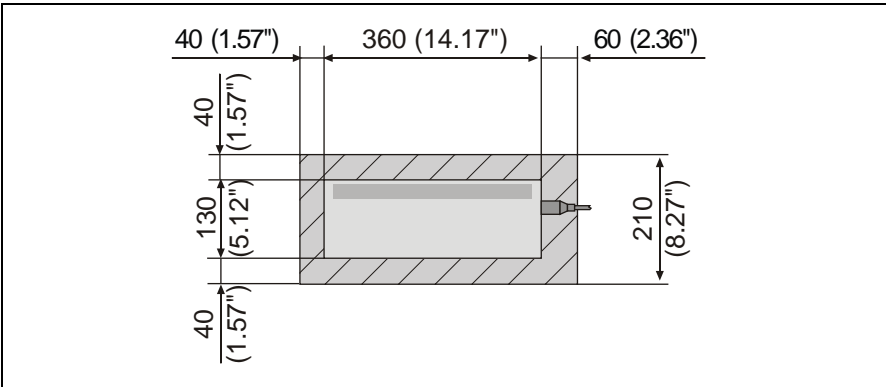
The power supply unit features vents at the top (1). Additionally, there are vents on either side (2). Make sure that the distance between the vents and the wall is always at least 40 mm (1.57").

Space required for operation and maintenance

iCash 15E



Power supply unit

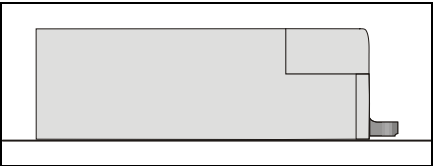


Installation specifications

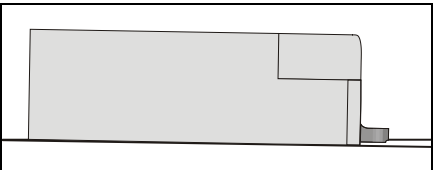
iCash 15E

iCash 15E must be placed on an even surface and installed in such a way that it will not tip up when the coin module is pulled out.

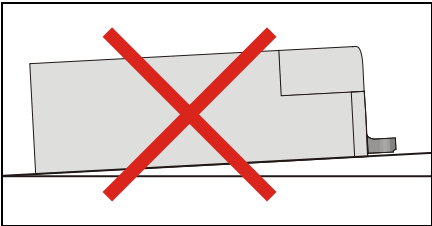
Important note



When installing the iCash 15E be sure that the device is in a horizontal position.

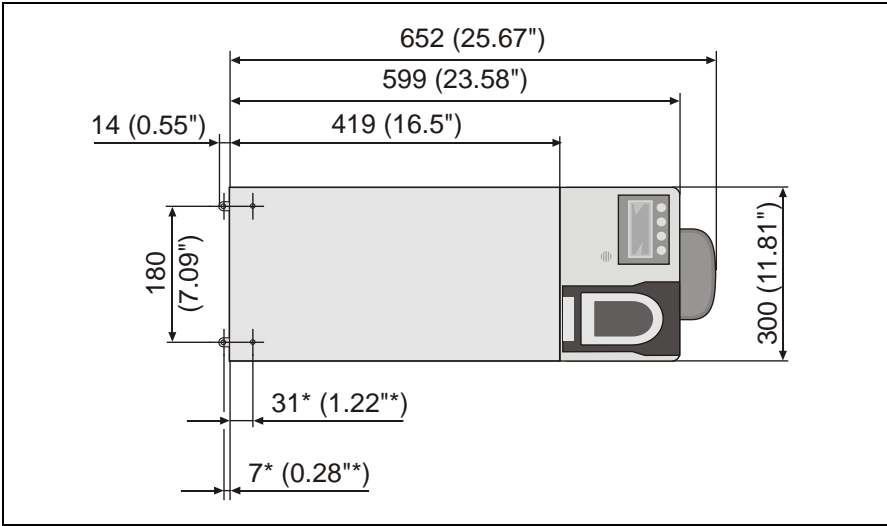


A minor forward tilt of the iCash 15E of up to 1° does not affect coin deposit or dispensing.



Make sure that the iCash 15E is definitely not installed with a backward tilt since this could cause problems with coin dispensing.

Dimensions for attachment holes



- * iCash 15E can either be attached by the rear tabs (7 mm/0.28") or by the attachment holes below the device (31 mm/1.22"). To attach the device by the holes below the device, a service engineer must be called to remove the coin module.

Power supply unit

- The power supply unit must always be installed horizontally (see illustration "Installation position for power supply unit").
- The power supply unit must be positioned in such a way that the fuse on the rear and the ON/OFF switch at the front are easily accessible.
- The minimum clearances must be complied with (see section "Required operating and maintenance areas", "Power supply unit").
- -The air vents must not be covered.
- The power supply unit must not be subjected to raised air intake temperatures (e.g. installation next to a radiator).

Installation position for power supply unit