Safe money

EXTREME

Installation guide

Ditron//
group

Index

1. Information

Please follow the above instructions for the machine installation and after sale service.
Thank you for choosing Ditron. Visit www.ditron.eu for futher information.

PRESERVE FOLLOWING INSTRUCTIONS
This manual contains important instructions to follow during installation and maintenance.

Safemoney Extreme has been projected to be installed in the existing operator desk.
More over to have access to the internal module some desk customization would be required.

This guide provides instructions for desk customizations to use banknote and coin validator.
Safemoney Extreme has been developed for indoor installation.

The manufacturer cannot be responsible for damages or losses due to improper machine use .

The not properly installation of this products can generate injury or malfunctions, if above instructions
are not respected.

2. Security instructions

⚠ **Installation and removal**
The installation and the machine removal must be done by an expert technician.

⚠ **Warning:**
Before to start after sale service or uninstallation of the product, be sure power supply is unplugged.

⚠ **Warning:**
Once SafeMoney Extreme is installed, check every internal module is properly fixed to the chassis.

⚠ **Warning:**
After sale serve must be done by authorized personnel.

CE

The SAFEmoney Extreme complies with the following community electrical safety standards and electromagnetic compatibility.

Is provided with the following CE certifications
- EN 61000-6-1: 2019
- EN 61000-6-3: 2007 + A1
- EN 61000-3-2: 2019
- EN 61000-3-3: 2013+A1
- EN 62368-1:2020+A11
- EN 62233

2. Security instructions

2.1 SKILLS
Technical personel who will work with electricity line, machines and equipment must be well trained. Not authorized personel must not work with the above equipment if not under followed to an authorized technician.

2.2 Cables
⚠ SafeMoney Extreme has internal battery used for running transaction closure only. It is strongly suggested to connect Safemoney Extreme to an UPS to have more autonomy in case of power failure.

ⓘ Power cable is included.

2.3 Temperature
Operating temperature
Temperature of the machine environment must be 0° and +40°C

Stock room temperature
Between -15° and +40°C

Humidity
[5%, 95%] no condense

Stock room humidity
[5%, 95%] no condense

2.4 Weight and parts (empty)

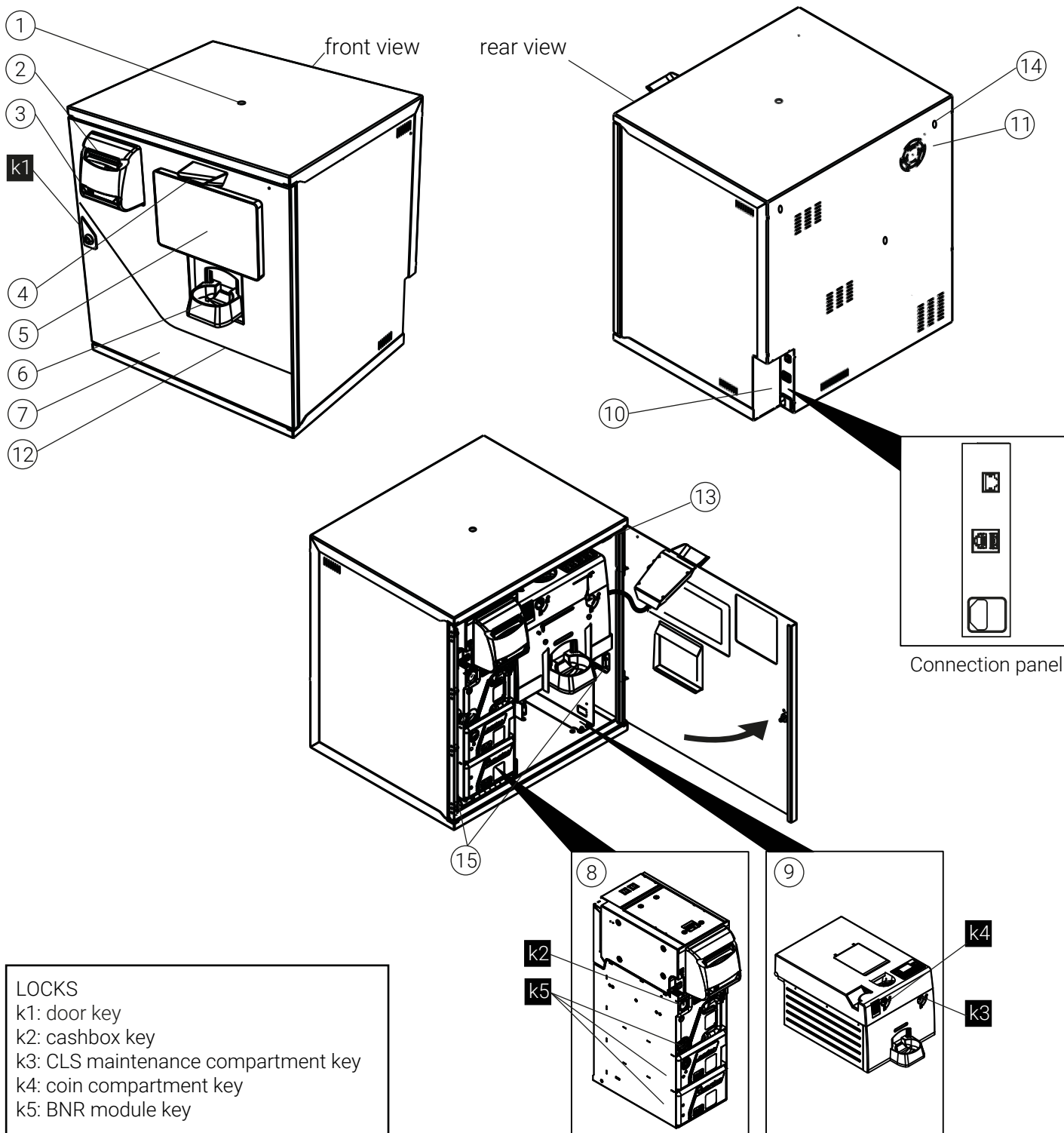Metallic cabinet without the cash handling devices
Kg: 45

Metallic cabinet with CLS + BNR3
Kg: 80

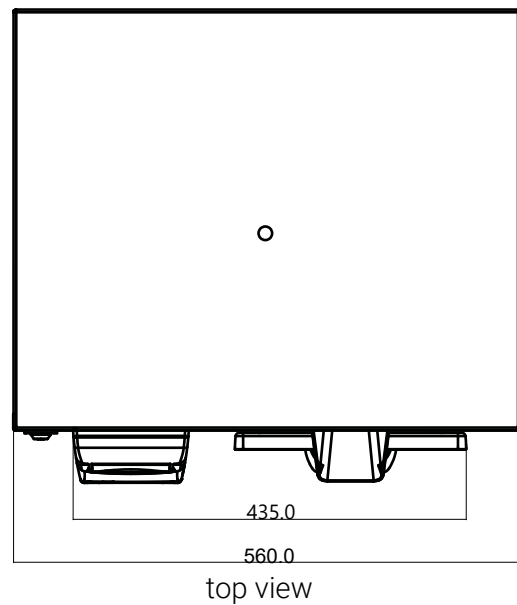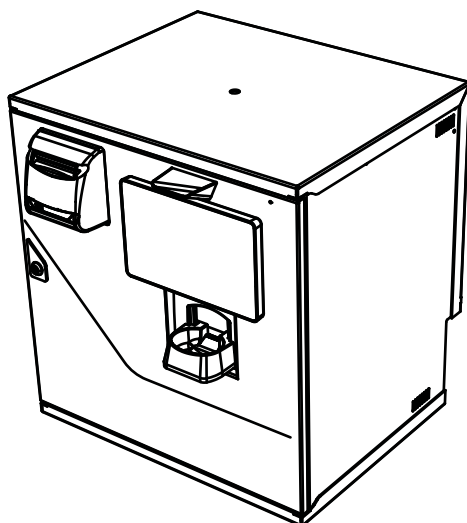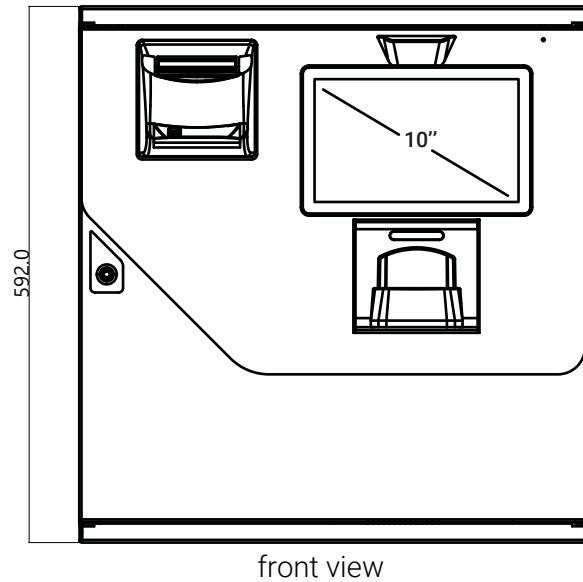Cash management devices
module BNR3 Kg: 22
module CLS Kg: 13

3. Presentation of the product

1 - hole for eyebolt
2 - banknote acceptor
3 - banknote dispenser
4 - coin acceptor
5 - touch display
6 - coin dispenser
7- door

8 - BNR3
9 - CLS
10 - connection pannel
11 - fan
12 - frontal frame
13 - "hard reset" button
14 - rear holes for block

front view

rear view

Connection panel

LOCKS
k1: door key
k2: cashbox key
k3: CLS maintenance compartment key
k4: coin compartment key
k5: BNR module key

4. Product dimensions

521.0

465.0

170.0

44.5

side view

592.0

10"

front view

435.0

560.0

top view

measurements expressed: mm + - 0.5mm
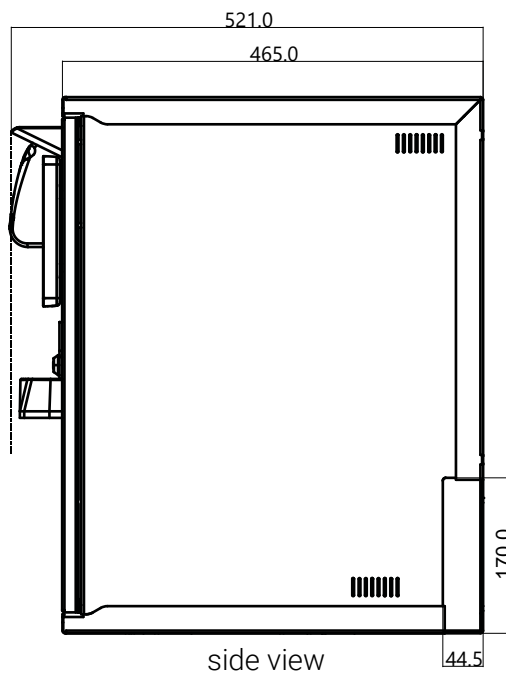
5. Included parts

BOX A
1 - case (cables, power supply and battery)
2 - keys
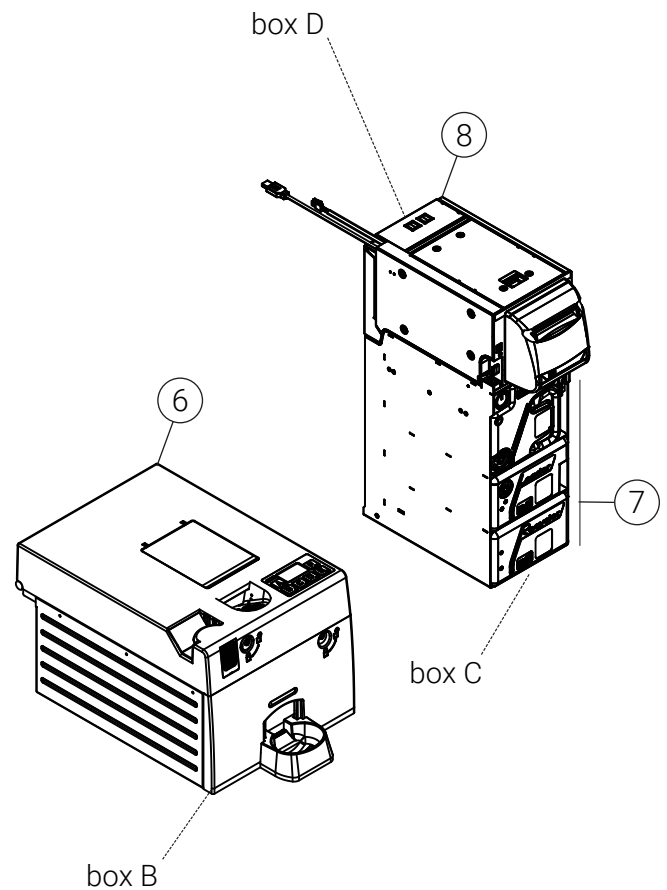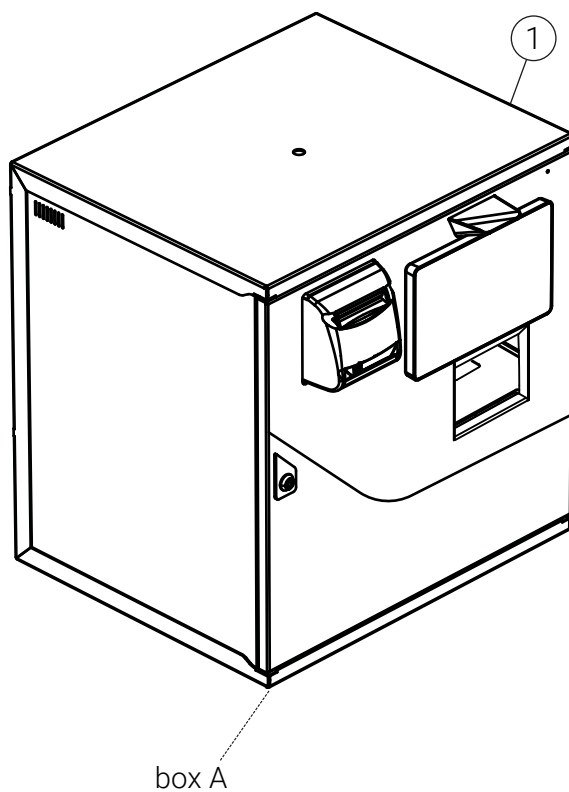3 - power cable
4 - door adhesive
5 - SW activation key

BOX B
6 - CLS (cables included)

BOX C
7 - cashbox and recycler (cables included)

BOX D
8 - main module validator

box A

box D

box B

box C

6. Main functions

COIN RECYCLE

Maximum insertion speed: bulk coin insertion "smart coin system"

Accepted coins: from € 0,01 to € 2,00

Maximum delivery speed: up to 6 coins / sec.

Capacity in recycle: 3673 coins

Cashbox for coin storage: n/a

BANKNOTES RECYCLE

Insertion: one by one

Accepted banknotes: from € 5.00 to € 500.00

Maximum delivery speed: up to 15 banknotes simultaneously

(bulknote) - 1 banknote/3 sec

Capacity in recycle: up to 180 banknotes

Cashbox: up to 600 banknotes

Loader: n/a

GENERAL FEATURE

Operator display: 10", graphic, touchscreen

Connections: ethernet - USB - RS232

Power: 100-240 VAC - 2A - 50/60 Hz

backup power supply for completion of ongoing operation

Casing color: white

Dimensions (cm) W 56 x D 46.5 x H 59.2

CONTROL AND MANAGEMENT

On board management
Multiple installation management
Platform management
inter.com. through resful/API protocol
Inter. com. through protocol and le exchange, universal driver
Pre-set for management and control (diagnostics) via the Internet
On-site / online software update

OPTIONALS

Integrated fiscal printer: n/a
Installation plate: integrated
Customizable front panel: (min. 4 pieces)

For more details and information, consult user manual

7. Preparation for installation

Take desk measurements to guarantee the correct installation size. Refer to pag. 5.

Check the desk plan is able to support the machine and check if behind the machine there is some space for the fan flew.

Check the frontal door movement looking for any obstacle during the entire opening movement.

Check the cabinet is installed on a perfect horizontal desk.

Check if the desk is able to support SafeMoney's weight

Check the desk composition.
To guarantee the perfect installation, Safe Money Extreme must be installed screwing it to the desk using the 4 screws holes.

Some desk materials could not be suitable for the SafeMoney installation.

Check if the available shop space is enough for machine after sale service. It is mandatory remove the internal peripherals in case of SafeMoney movements.*

Two persons are needed during the installation due to the weight and the dimension.

Check wall sockets are close enough and multiple power cords are not needed.
Power cord can be dangerous for electroshock.

* the upper case has a support for eyebolt support.

7. Preparation for installation

Check the POS is located near to the SafeMoney Extreme and the ETH cable is properly fixed.

Teach the users to the correct way to use the machine and check "dust zone" to exclude consequences related to dust and row materials near the Safemoney Extreme.

Check the safemoney **distance to the floor is 40cm**.

8. Installation

⚠ **Warning:** It is mandatory to screw the SafeMoney to the desk. Use the guide support in the box for the screws holes. Un-box the machine and check steps in "Installation requirements". Then Go on with the installation.

pic.1
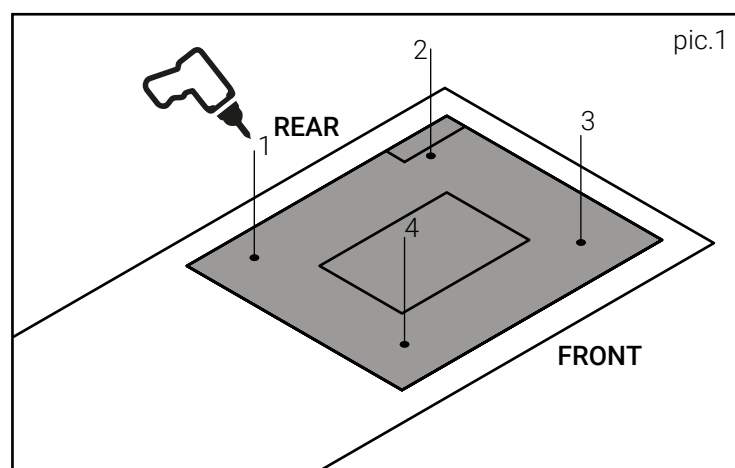
8.1 Template guide

Put the template guide on the desk and fix it with adhesive. Use the drill to make the 4 holes.
Pay attention to the template guide side.
(front and back side)

If necessary, create a button hole for cables referring to the connection panel on the template guide.

pic.2

(remove the cap coverage)

pic.3
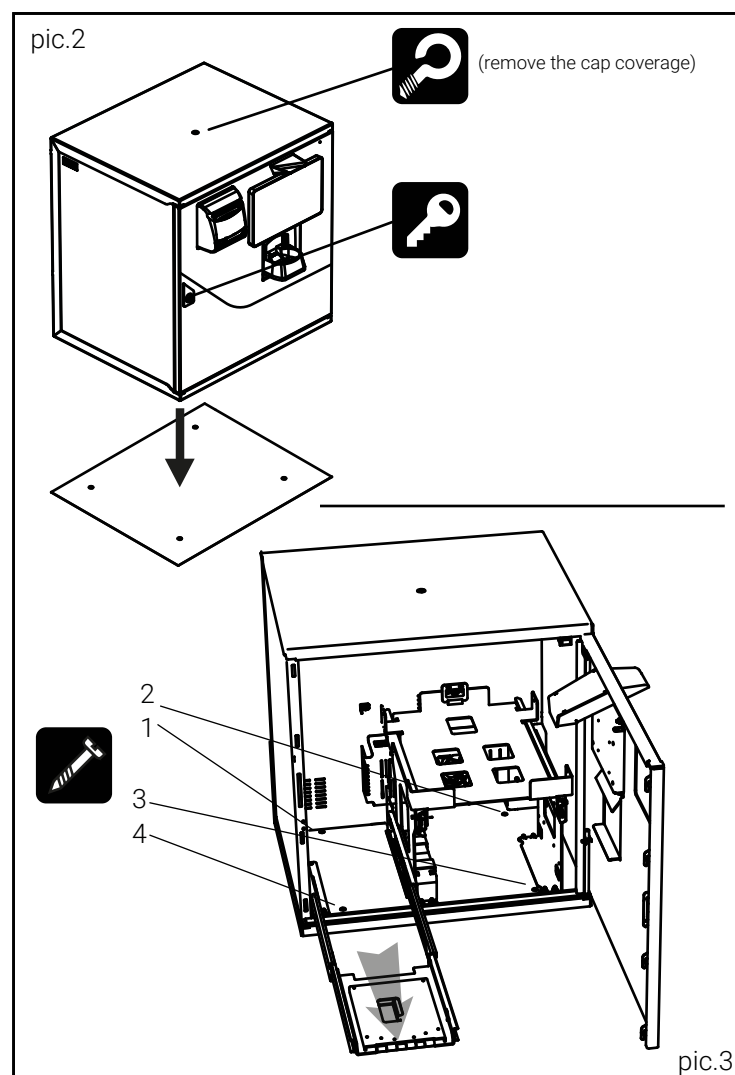
8.2 Case positioning

Due to the heavy weight it is suggested to move the machine with 2 persons or using some mechanical equipment.

Open the frontal door using the key (k1) and extract the BNR support to have the access to the screws holes.
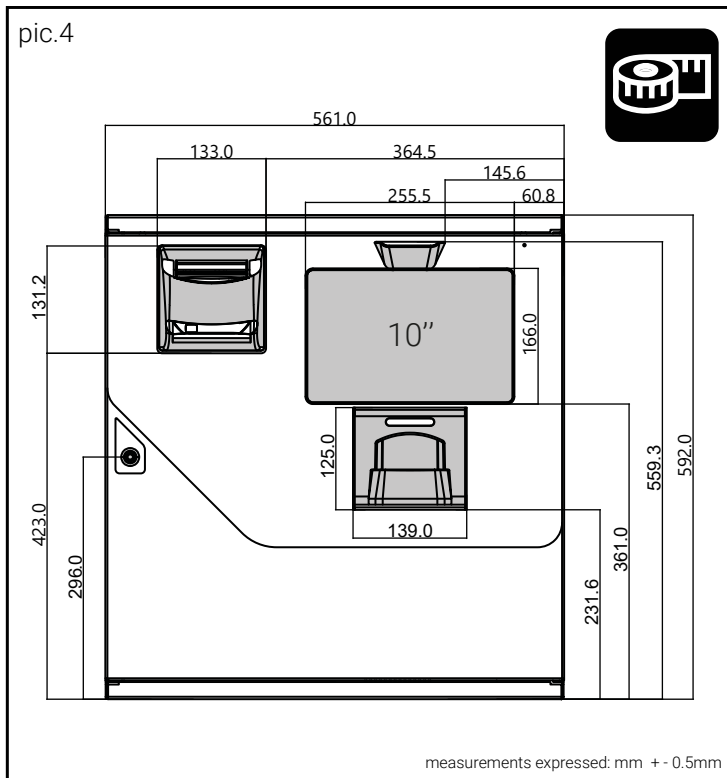
Using an electric screwdriver to screw the SafeMoney to the desk.

Holes on the back of the case (see pg. 4) can be used to fix the machine if it is not possible to screw it to the top.

⚠ **Also in this configuration, the product must be placed on a horizontal plane.**

⚠ **Check stability and fixing**

8. Installation

pic.4

measurements expressed: mm + - 0.5mm

8.3 Built-in positioning

SafeMoney Extreme has been projected to be installed into the pre-existent desk with peripherals to the customer or the operator.

For this layout it is necessary to customize the desk in order to have the access to the peripherals. Pic n.4 shows measurement to threat to perform the above holes.

⚠ **Check the SafeMoeney Extreme has enough space for air flew.**

⚠ **It is recommended to drive cables to the connection panel if the access is not easily accessible.**

⚠ **Check the desk materials are suitable for the installation.**
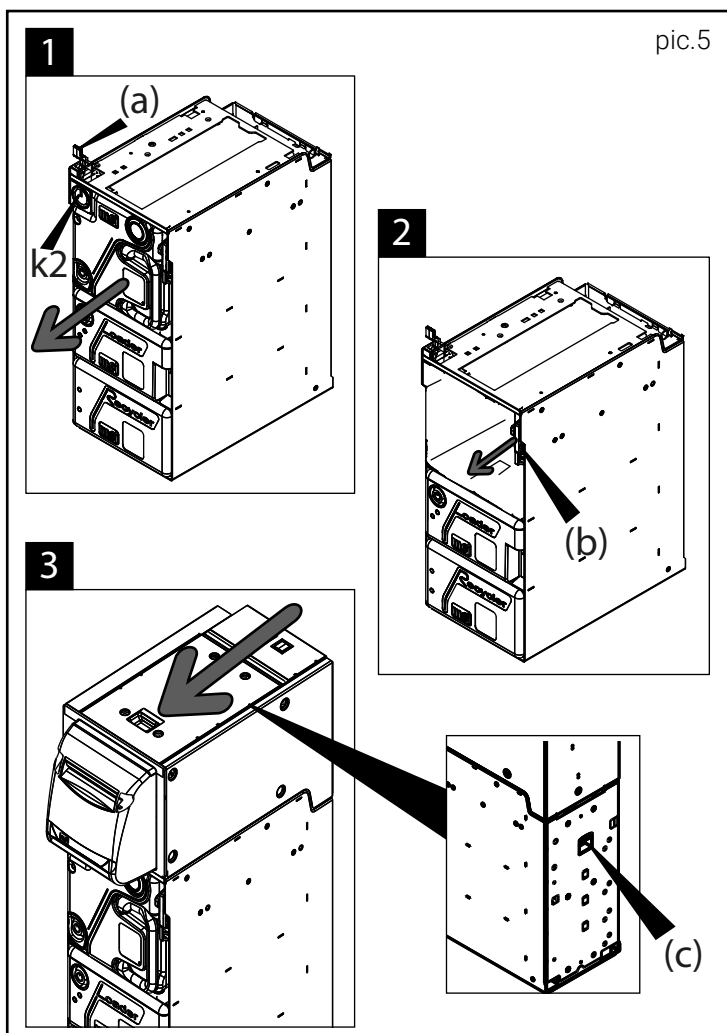
## 8.4 BNR mounting

Unbox the Main module and cashbox\recycler

1) Extract the cash box and unblock it using key 2 then take down the yellow lever (A).

2) Extract the cashbox then move the green lever to the external part (B).

3) Insert the validator pushing it as shown in the pic. 5.
   This operation must be done with the spinmodule (in the back) opened.
   Use the yellow lever (C).

pic.5

8.Installation

pic.6
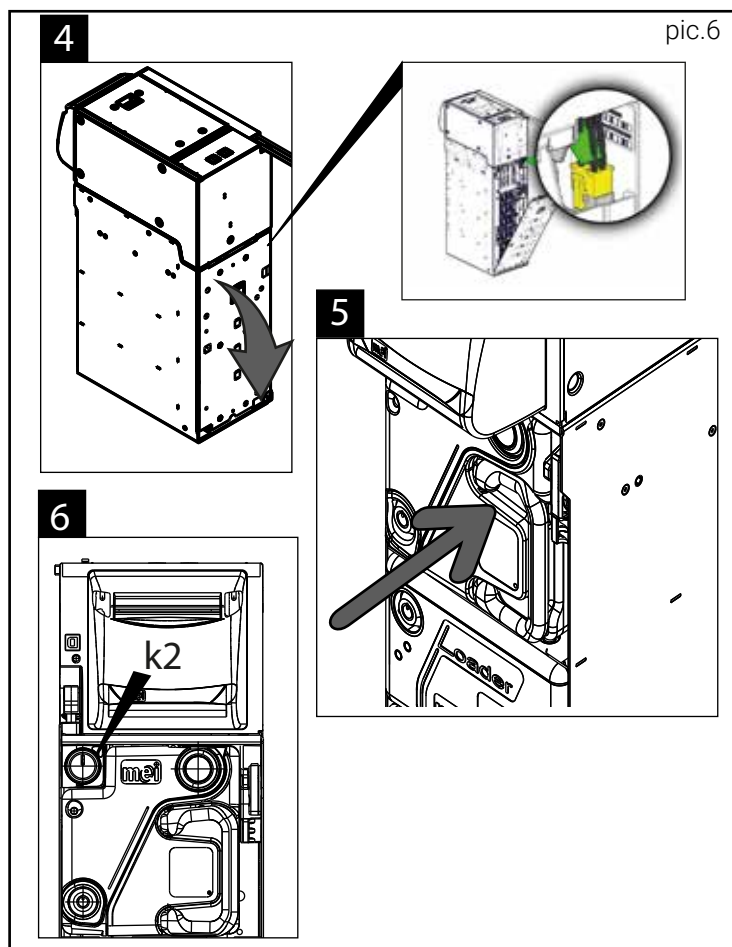
8.4 BNR mounting

4) Connect the cables.

5) Arm the cash box module
(open and close it) then insert it
in the related space.

6) Close using the key k2
then lift up the green lever (B).
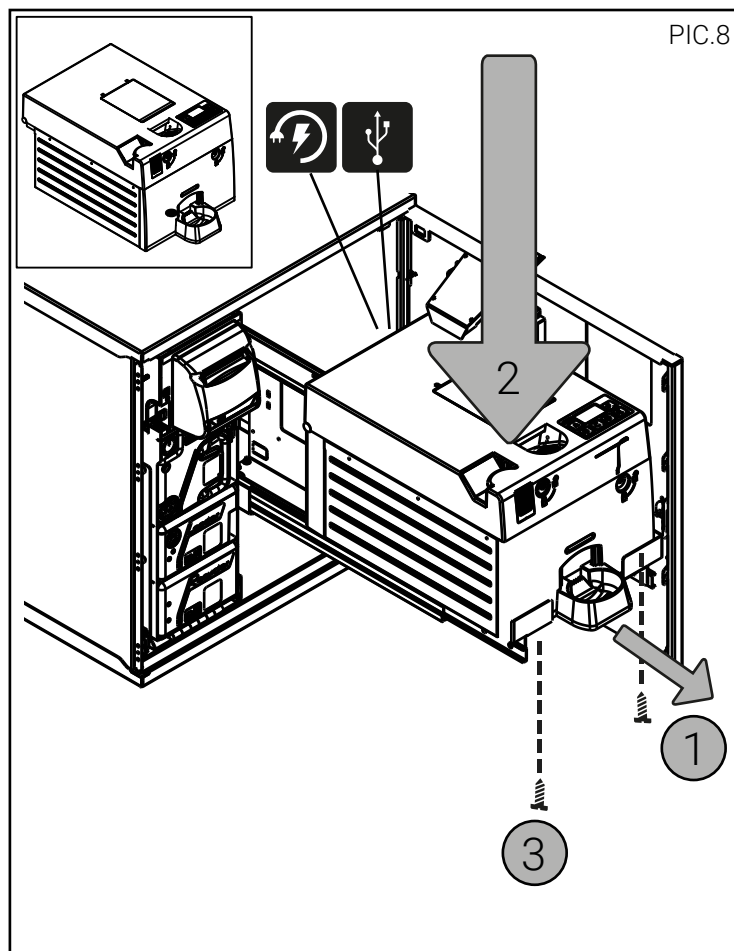

pic.7
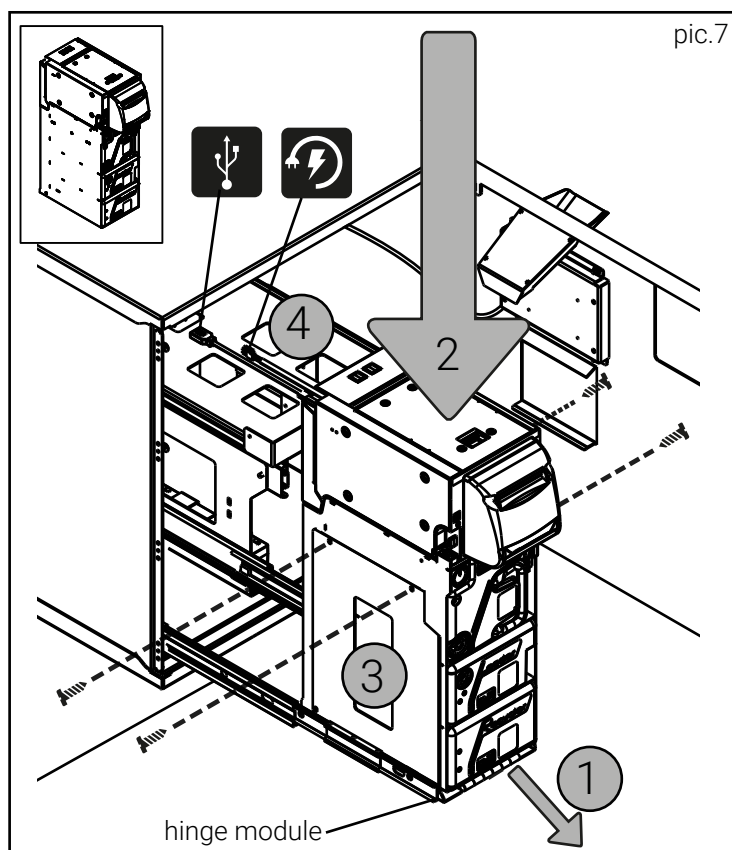
8.5 Insert BNR

⚠ Before starting to connect the cashbox and recyclers, check the machine is not connected to the power supply and it is properly secured.

(1) Extract the BNR support.
(2) Put the BNR module on it.
(3) Align the 3 holes with the BNR holes
then secure it using M5X8 screws (x4)
(4) Connect the usb cable and
the power cable to the BNR.

Drive the cable properly to not obstacle the BNR movements.Ground cable is already connected. There is no need to connect the BNR ground cable.

8. Installation

PIC.8

8.6 Insert CLS

⚠ Before starting to connect the CLS, check the machine is not connected to the power supply and it is properly secured.

Unbox CLS module, use the supplied key to unlock unit and remove the expanded transport element.

(1) Extract the CLS support.
(2) Put the CLS module on it.
(3) Align the 2 holes on the underside of the support with the holes on the front of the module. then secure it using M4X6 screws (x2)

Connect the cables.

Switch on the module with the button located on the rear side (ON)

pic.9

RS232

USB

ETH

Supply
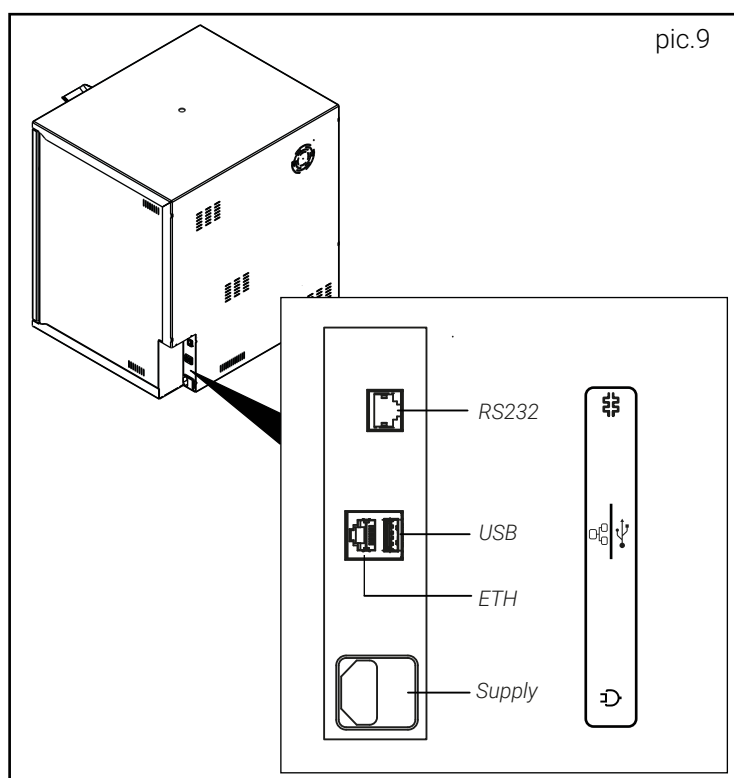
8.7 connections

Connect the cables

Check cables are properly connected and they are not exposed to the user.

For further information check safemoney manual or contact after sale service.

Safe
money

Ditron group

⚙ Assistance contacts

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