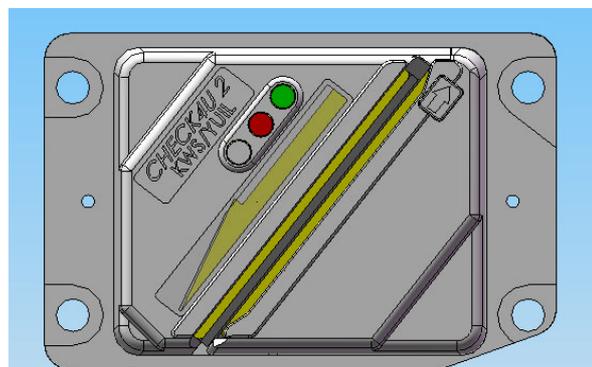
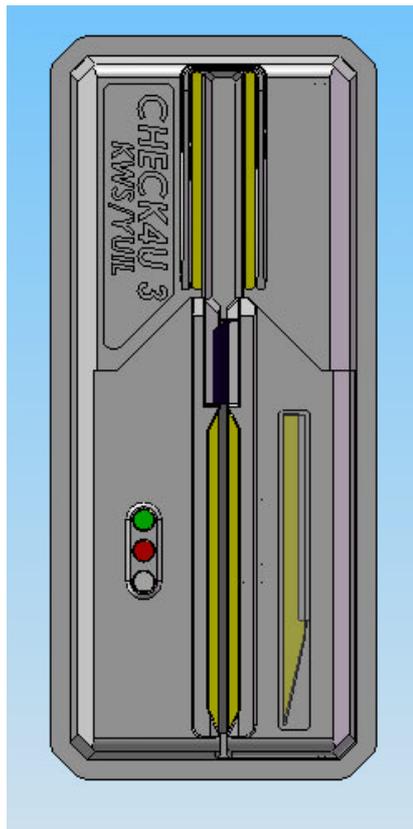




Check KWS

Anleitung



2008.7 (V.1.2)

4U Führerscheinprüfer





Introduction of the Product

The product can be used as certifying equipment in such cases of cigarette vending machines, alcohol vending machines, restricted entrances and more, for this equipment certifies the age limits by comparing the present time with the decoded birth age, from the processes of scanning and recognizing the authenticity discrimination such from driver's licenses, ID cards or passports.

It is basically formed by the categories of external appearances, indication, recognition and discrimination, and correspondence.

The discrimination part uses certain sensors(such as ultra violet rays, infrared rays, light sensors) to distinguish the authenticity acceptance standard, scans the birth dates using OCR methods, compares the present time with the birth date with recognized characters, and maintains its efficiency by counter measuring its efficiency of under certain environments (such as winter, summer, sun rays, dusts).

It can be up graded by using the IRDA correspondence part.

The main characteristics of this product are as the following:

- 1) The driving licenses, ID cards, passports certify the OCR method with its swiping method.**
- 2) After the process of swiping, it makes the final decision of certification and authenticity discrimination.**
- 3) Checks for its falsification using the ultra violet rays, infrared rays, light sensors, and CIS sensors.**
- 4) Upgrades the program using IRDA correspondence.**
- 5) PCB is water proof.**
- 6) Contains certain environmental measures, and more.**



Specification

time of recognition and discrimination	less than 2.2 second	Counterfeit :less than 0.5sec.
Using temperature	temperature:-15 to +60°C relative humidity:5~95%	non-condensing
Store temperature	temperature:-40 to +80°C relative humidity:5~100%	non-condensing
Indicating LED	-green : normal ID -red : abnormal ID	- normally yellow LED(6 second)
Interface	IRDA correspondence	
Power	DC +12 V±10%,	From vending machine
The continuous total output power	Stand by: ≤SLIPE MODE Working (Max.): ≤ 210mA	
Size	74(W)*58(D)*169(H)	
Weight	About 650g	About 1Kg(With MDB unit)

indicating part

Light	List
Green LED	Normal
Red LED	Abnormal
Yellow LED	Stand by (6 second interval)

detact part

Identification	driver's licenses, ID cards or passports *other country ID could be corresponding
Discriminating method	Infrared rays (IR sensor),ultraviolet rays sensor, light sensor ,CIS sensor
Insert direction	Picture side (swipe down the picture side of card)

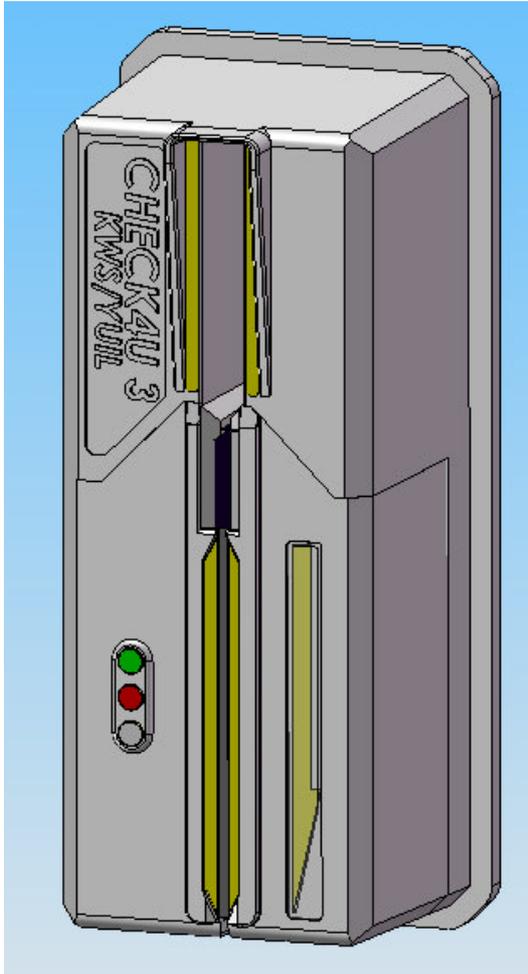
scanning and recognizing part

Scanning method	CIS sensor(touch)..scan width;32mm -200DPI black/illumination:infrared rays(IR)
Recognizable number	Birthday ,Check digit (7 digit)
Using recognizable CPU	DSP
PCB	waterproofing

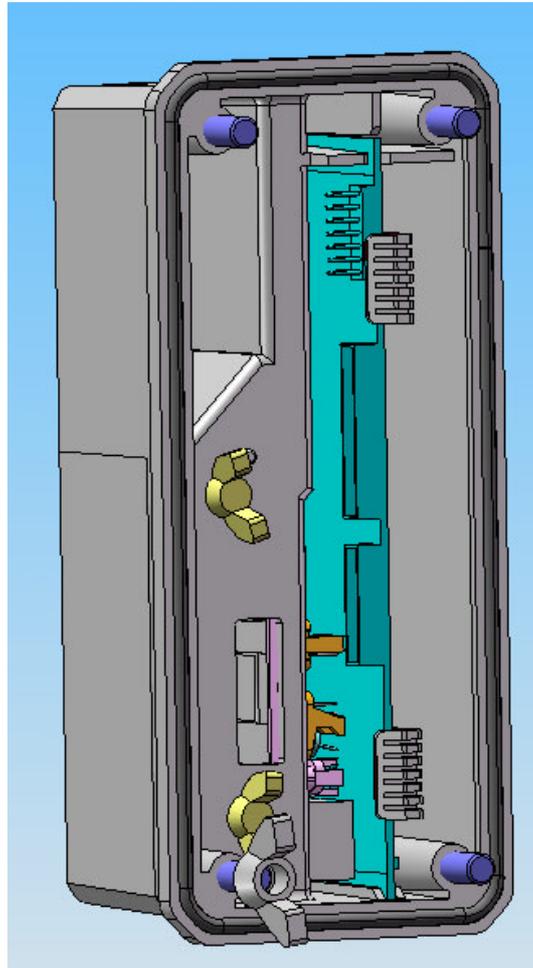
Product types



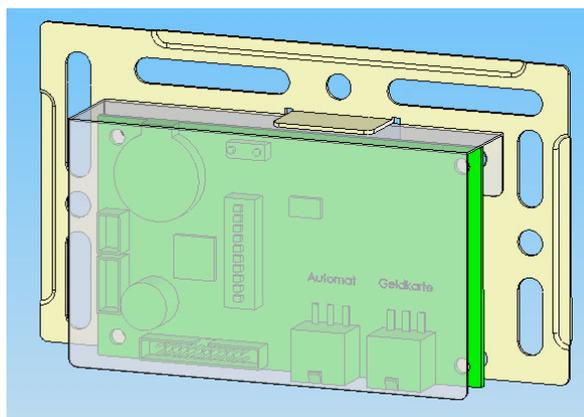
-CHECK4U 3(DL,ID Card, Passport)



(front)

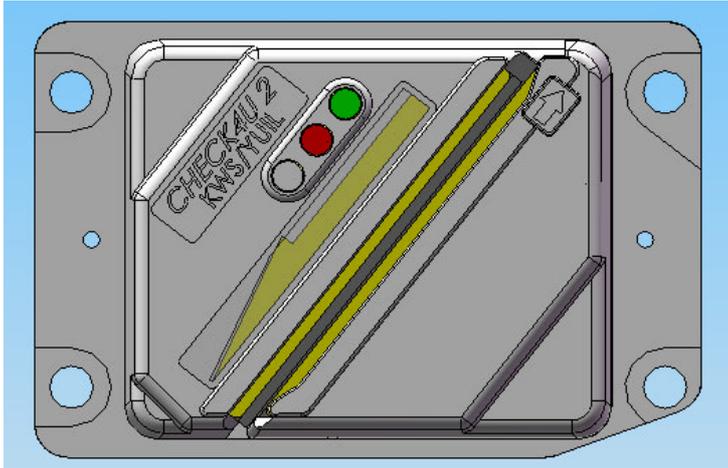


(rear)

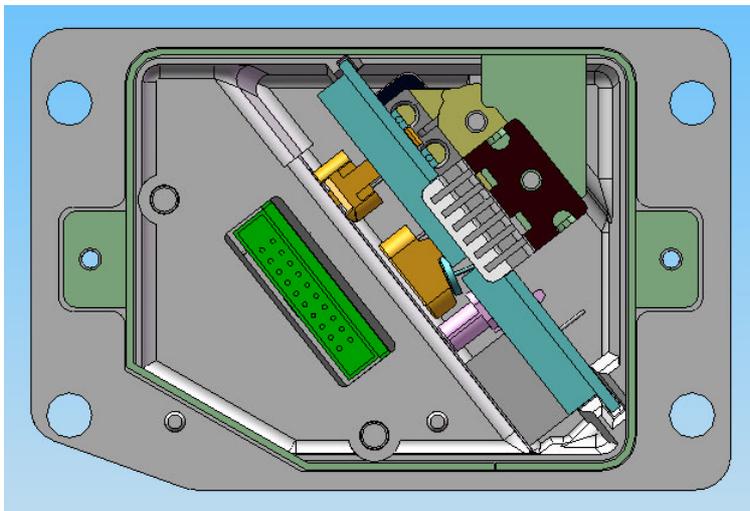


(MDB Board)

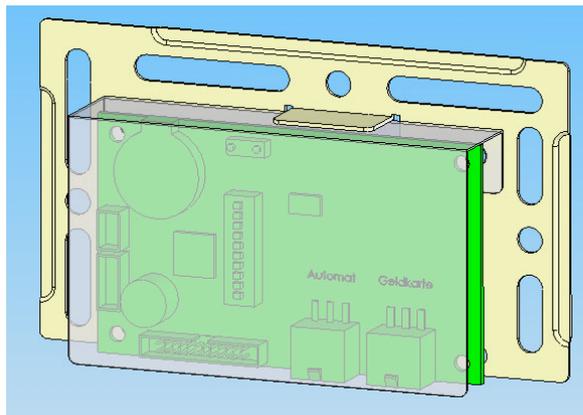
-CHECK4U 2(DL,ID Card)



(front)

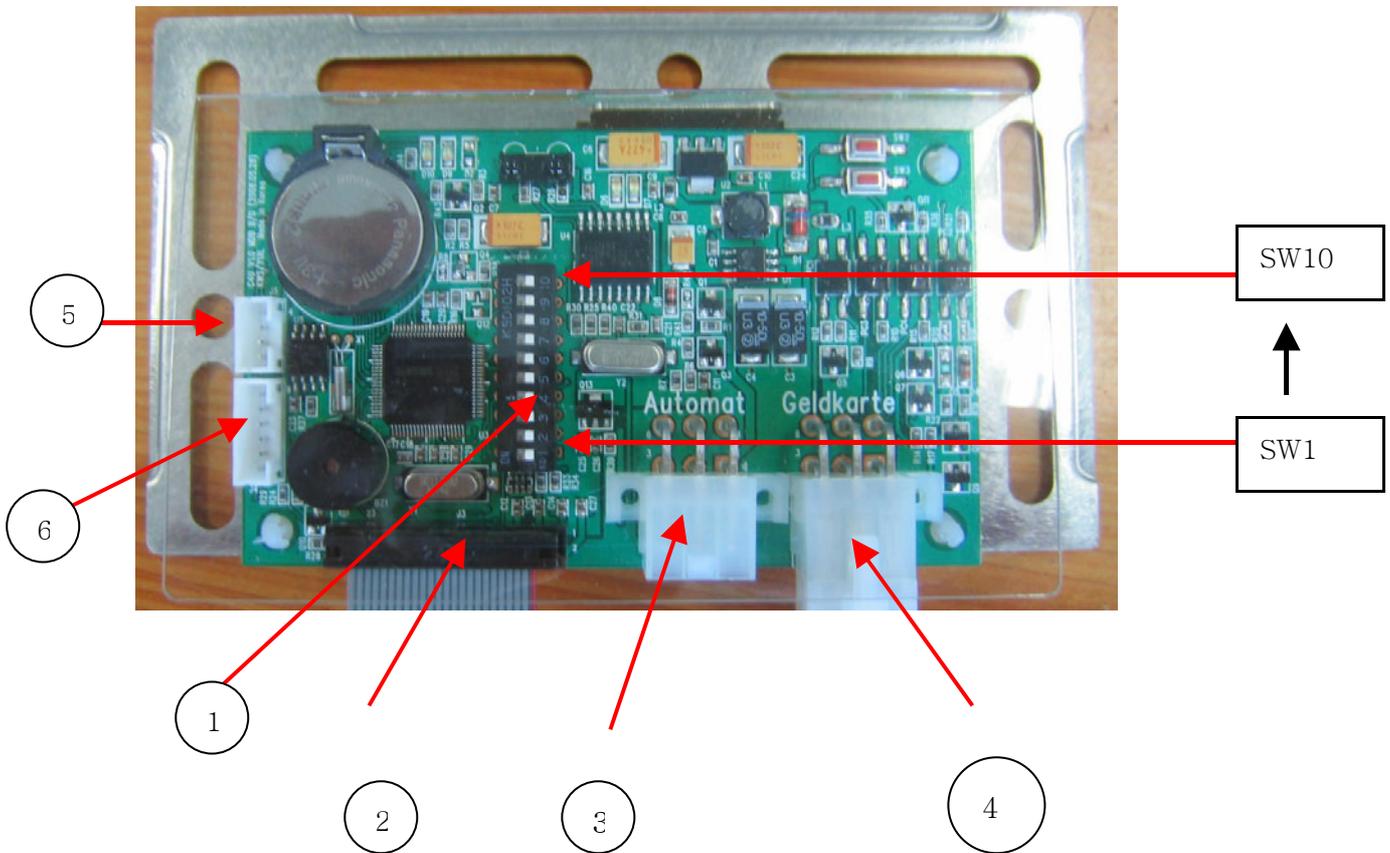


(rear)



(MDB Board)

Connecting spec.様(MDB Board)

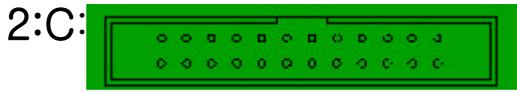


1:

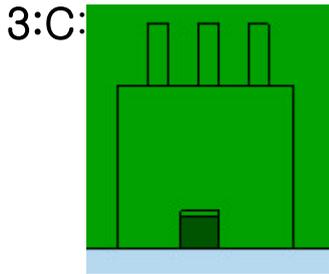
DIP Switch							
	SW1	SW2, 3,5,7	SW4	SW6	SW8	SW9	SW10
Power ON Always	ON						
Wake up mode	OFF ●						
Buzzer ON					OFF ●		
Buzzer OFF					ON		
Flashing ON			OFF ●				
Flashing OFF			ON				
High security				ON			
High acceptance				OFF ●			
Debug mode							ON
Nomal mode							OFF ●
Flash write mode						ON	



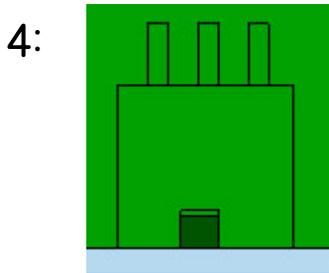
Reserved		OFF					
●:Standard Status							



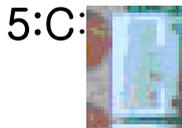
24P Connector (CHECK4U3 to MDB Board)



6P Connector (MDB Board to AUTOMAT)			
1	12v	4	Tx
2	GND	5	Rx
3	Wake up	6	GND(Tx,Rx)



6P Connector (MDB Board to TERMINAL)			
1	12v	4	Tx
2	GND	5	Rx
3	Wake up	6	GND(Tx,Rx)



4P Connector (debug port)

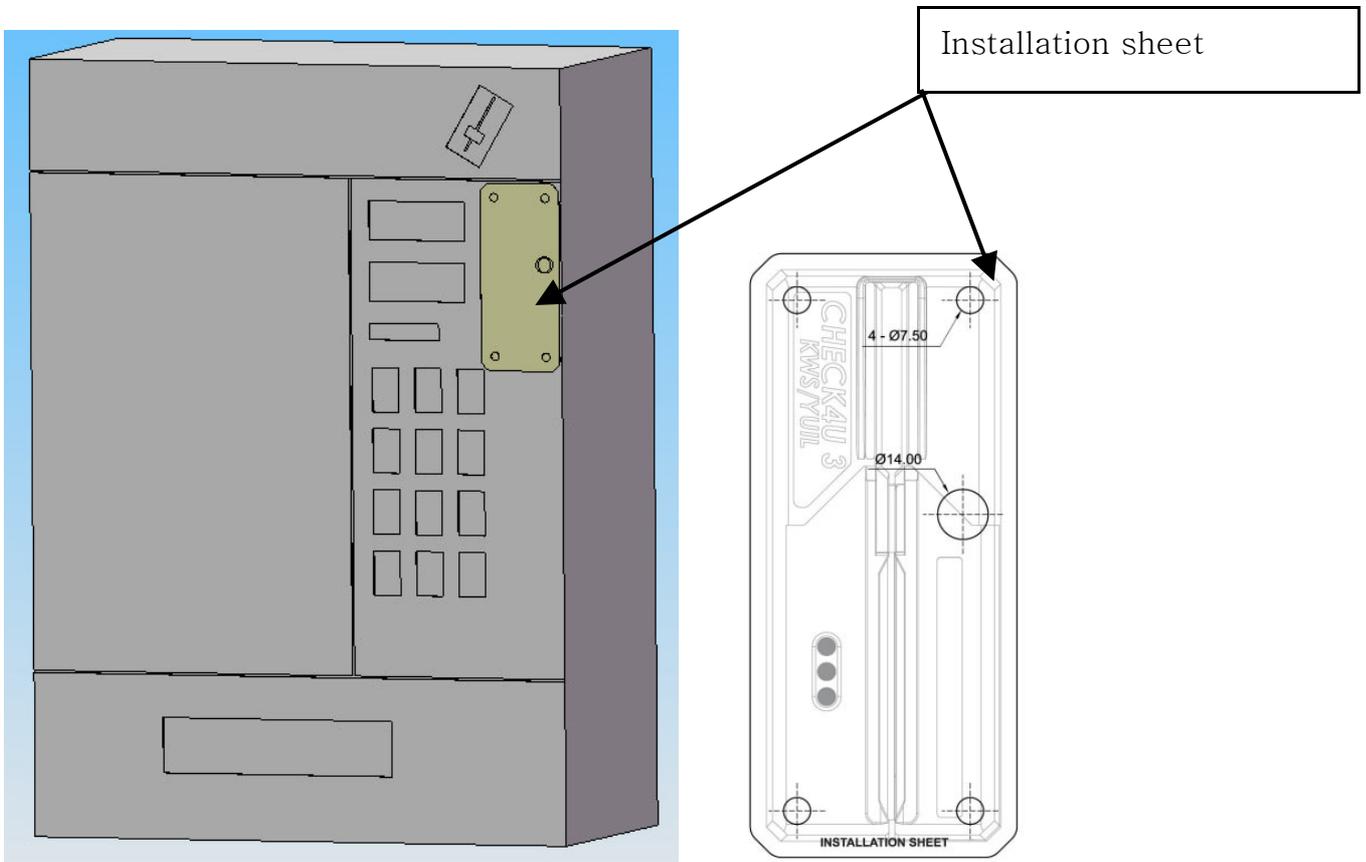
6:C:



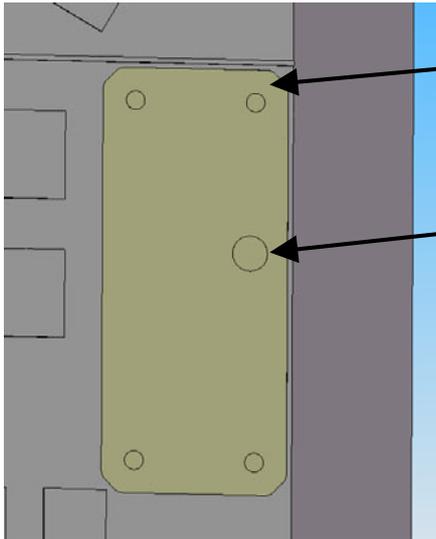
6P Connector (program down load)

Installing method

1. Attach the Installation sheet(Removal tape) on the place where it is to be installed



2. Drill a hole on where the Installation sheet(Removal tape) holes are to be place



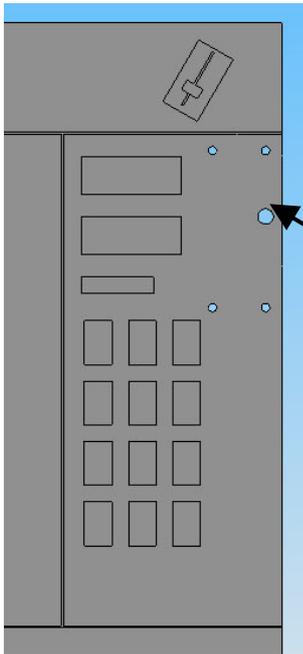
Making 4 points holes (use $\phi 7.5$ drill)

Making large hole($\phi 14$)
* Make a hold using a drill cutter.



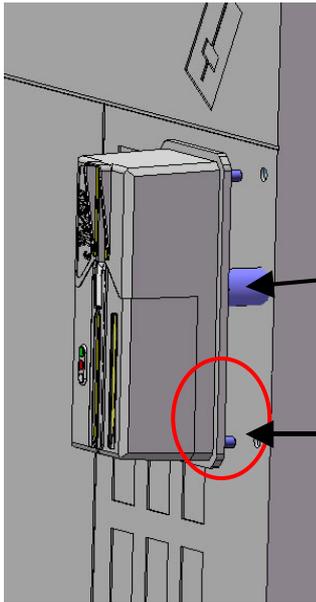
3. Take off the Installation sheet(Removal tape) and put the 24P from rear and CHECK4U 3 into the hole. .

cable



Rolled the cable like above and put large hole from rear



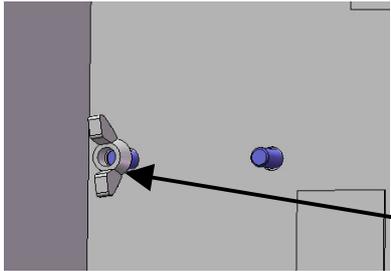


Connecting the 24P cable

24 PIN Cable

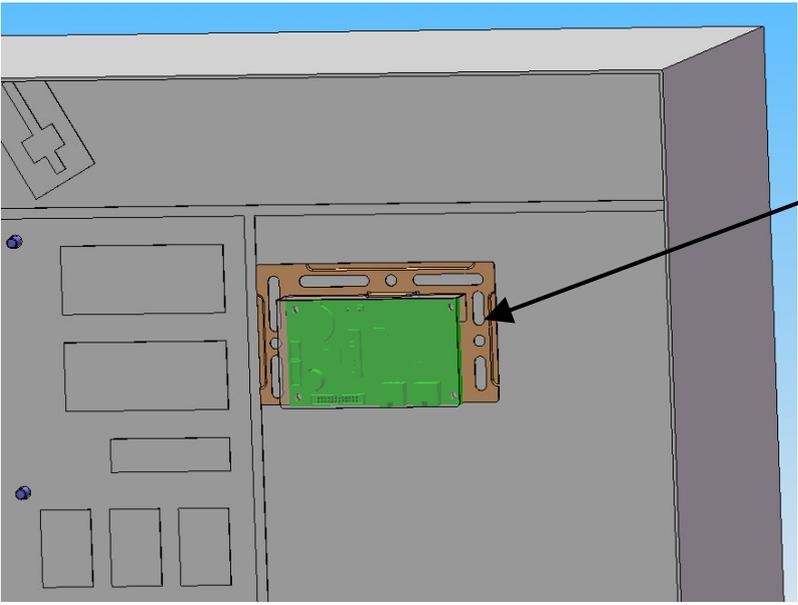
put the CHECK4U 3 into the hole.

4. Open the front door of the vending machine and fasten the 4 M6Nuts.



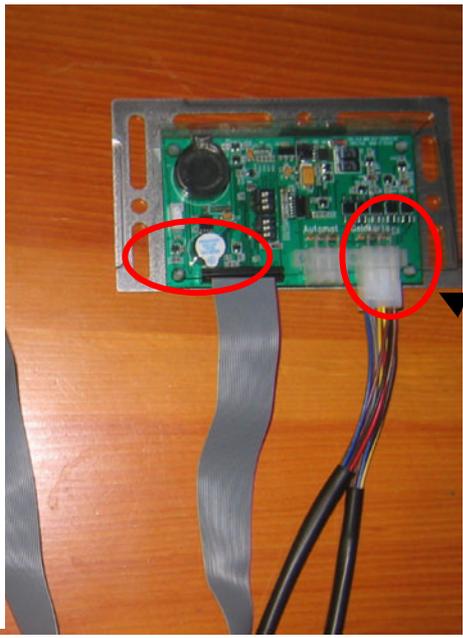
M6 nut

5. Install the MDB Board.

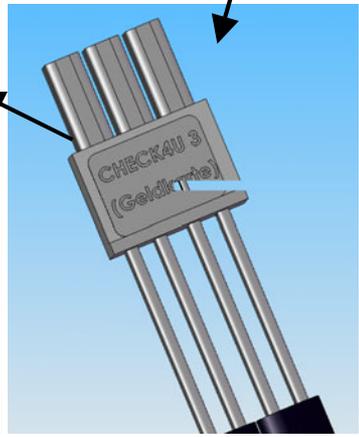


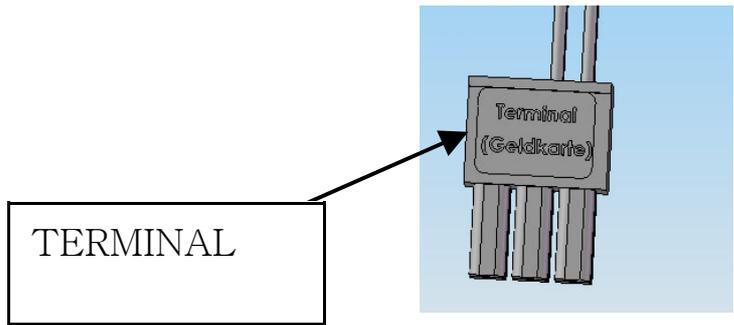
MDB Board unit

6. Connect the cable (Refer to the STICKER on the connector to connect)



CHECK4U 3



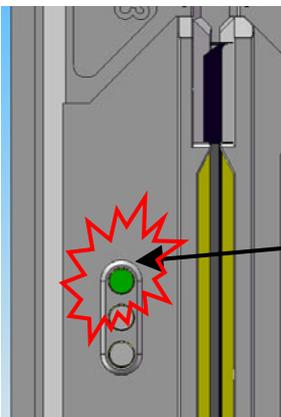


Using Methods

After inserting the ID card, swipe it towards the same direction as below

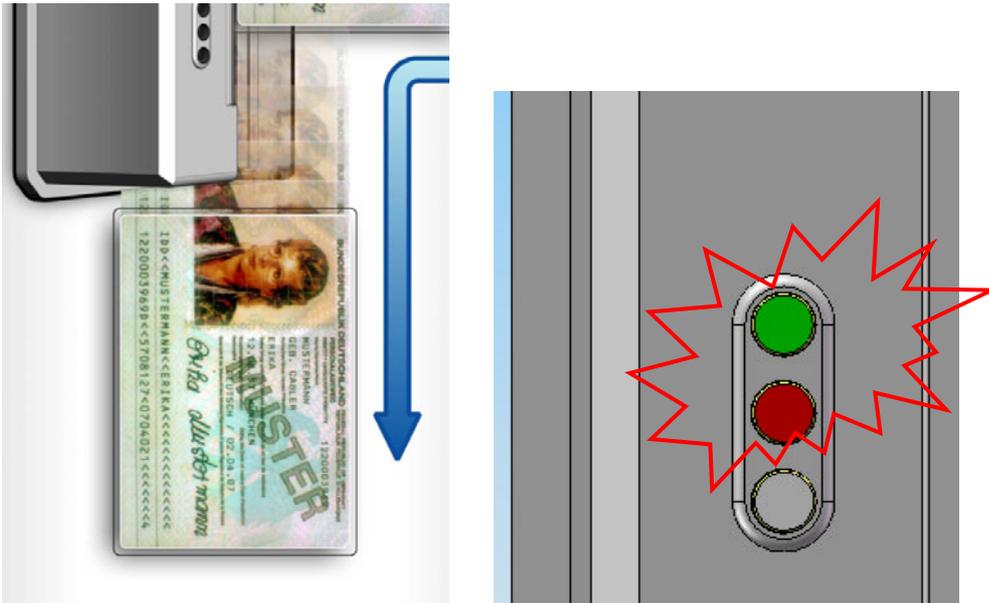


1) It will make the beep sound and the green led will flicker when the card is inserted.



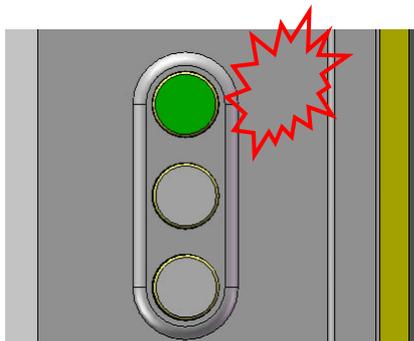
Green LED

2) Swipe the card downwards



*After it is swiped down, there will be another beep sound, and the green and red LED will flicker. If the card is correct, the green LED will light on with the sound of two beeps, and if not, the red LED will light on with the sound of three beeps.

3) If the indicating part becomes on with a green color, insert the coins or bills and buy the cigarette.



When it doesn't work properly, try it again using the same method.

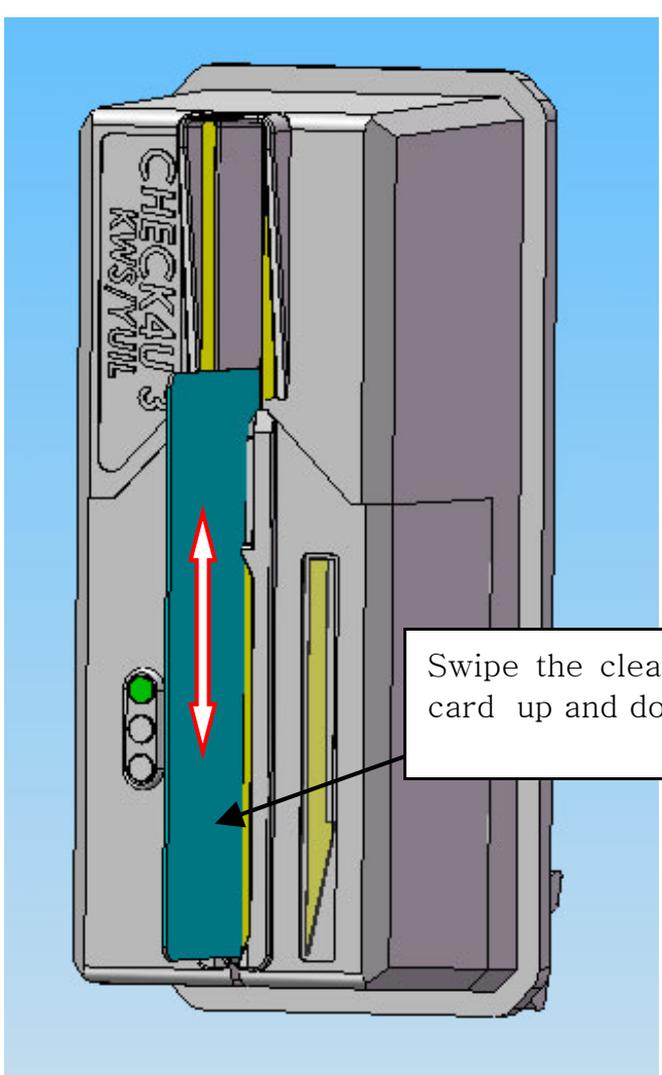
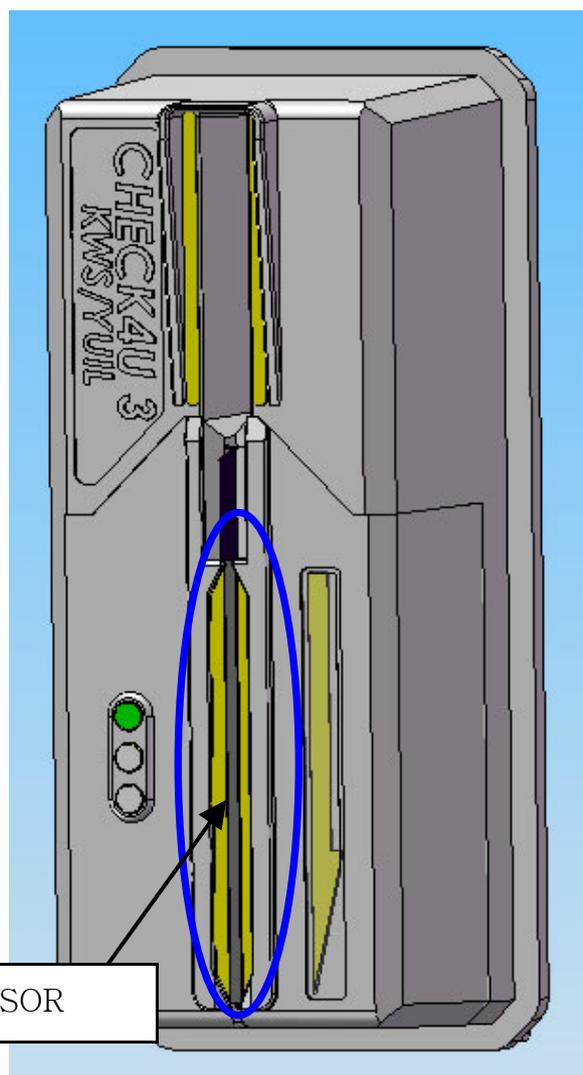
As a reference,



***Sometimes, even if it is an original product, the red led might be on. In this case, wipe the ID card surface and insert it again. If the card is damaged, there can be an error.**

Cleaning Methods

Do not disassemble the equipment but use the cleaning card when cleaning the inside.



* Wrap both sides of the card with a thin cloth (to let it fit into the home) and dip it with an alcohol to clean.

As a reference,



The cleaning should be done when the procuring amount has decreased.

* If the procuring amount do not increase even after the cleaning process, it should be disassembled and be checked for any dirt.

Size of product

