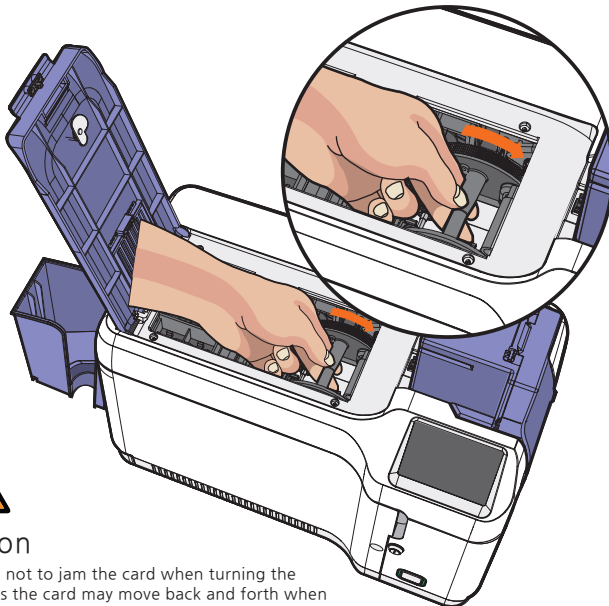
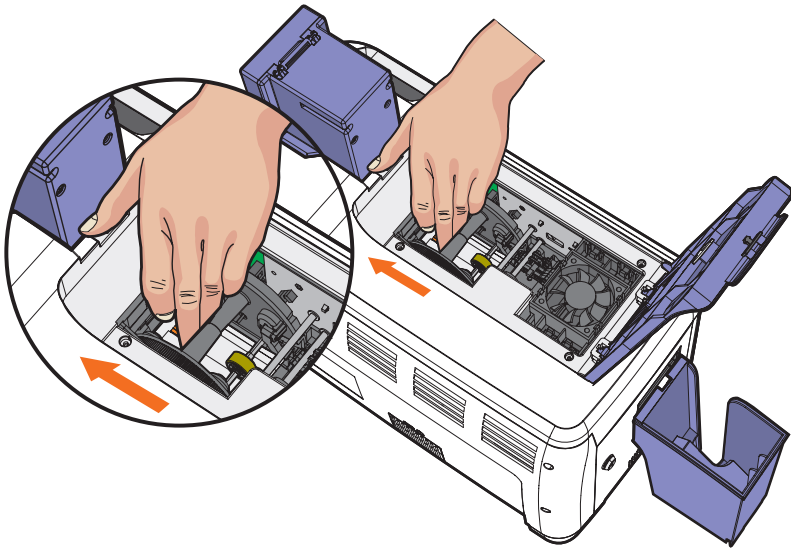


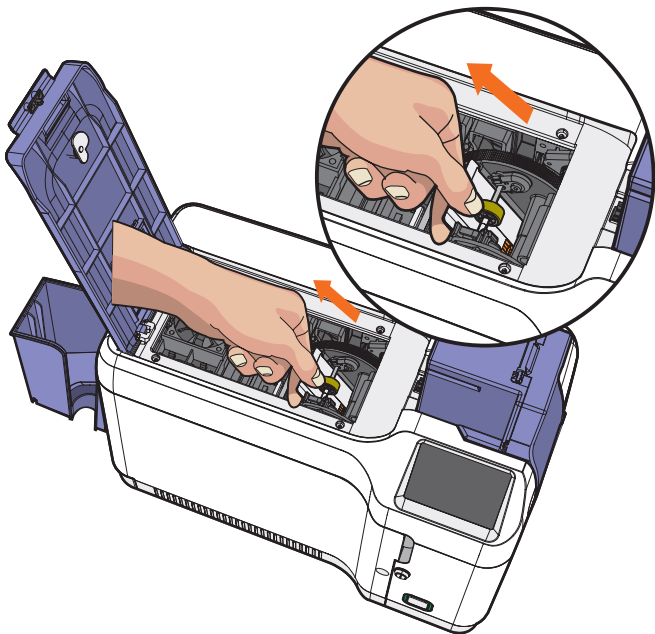
4. As shown in the image below, hold the card in the changer part with both hands and push it forward so that the changer can rotate, and then tilt it in the direction of 70 to 90 degrees to easily eject the card.



Caution

Be careful not to jam the card when turning the changer as the card may move back and forth when turning the changer part.

5. Remove the card by putting your hand inside the changer as shown below



③ Ribbon, Film

Code	Code name	Description	Solution
14	Ribbon encoder error	Ribbon break, ribbon end, encoder error	Check ribbon and ribbon encoder status
36	Ribbon count 0 or ribbon broken	Ribbon count 0 or ribbon broken	Ribbon status check
38	Ribbon tag error	Abnormal ribbon installation	Ribbon and Ribbon Tag Certification Verified
182	Ribbon adjustment error	Ribbon adjustment error	Sensor check and correct sensor value adjustment
252	Film tag error	Abnormal film installation	Check film and film tag certification
237	Film count 0 or film broken	Film count 0 or film broken	Check film status
238	Without ribbon tag	Without ribbon tag	Check whether film tag is attached
239	Without ribbon tag	Without ribbon tag	Check whether ribbon tag is attached

④ Card

Code	Code name	Description	Solution
17	IC module up/down error	IC Content module location error	AS required
50	[Changer] Module response timeout	Changer communication error	Power off -> Remove card -> Reboot
51	[Changer] Module transmission timeout	Changer communication error	Power off -> Remove card -> Reboot
52	[Changer] Finding the home location Failure	Error in changer home location	Power off -> Remove card -> Reboot
53	[Changer] Card flip failure	Error occurred in changer turn up	Power off -> Remove card -> Reboot
54	[Changer] Card input timeout	Stops working while card enters with changer	Power off -> Remove card -> Reboot
55	[Changer] Card input jam occurred	Card transfer timed out to changer	Power off -> Remove card -> Reboot
56	[Changer] Card ejection jam occurred	Card jam occurs in changer	Power off -> Remove card -> Reboot
57	[Changer] Has card	Abnormal card detected in changer	Power off -> Remove card -> Reboot
58	[Changer] Unknown location error	Changer position out of place	Power off -> Remove card -> Reboot

⑤ Other

Code	Code name	Description	Solutions
15	Media error	Media error	Check card (Media) and pass sensor status
16	EEPROM error	EEPROM read/write error	Reboot or replace EEPROM
240	Heater operation error	If the heater does not reach heat within a certain time	Contact seller or manufacturer
241	Heater operation error	If installed Heater sensor is strange	Contact seller or manufacturer

-Warning

① Card

Code	Code name	Description	Solution
23	[IC] Contact error	IC contact not working	IC contact module check
24	[MS] Encoder error	MS encoder error occurred	MS module check
25	[MS] Read error	MS read error when one or more tracks to be read among MS 1/2/3 tracks fail Occur	MS module check
26	[MS] Read STX error	Can't find STX in MS reading	MS transfer check
27	[MS] Read Parity Error	Parity error occurs in MS reading	MS transfer check
28	[MS] Read ETX error	Can't find ETX in MS reading	MS transfer check
29	[MS] Read LRC error	LRC mismatch in MS reading	MS transfer check MS card replacement
30	IC module response timeout	IC module communication failure	IFM B/D check
31	RF module response time Excess	RF module communication failure	IFM B/D check
33	Card Eject Error	Changer module communication failure	Changer and changer B/D check
34	Card input timeout	Card input interruption	Check card feed tray and check card jam

② Ribbon Film

Code	Code name	Description	Solutions
35	Little ribbon life left	Occurs when the remaining amount of ribbon is less than 10%	Ready to add a new ribbon
253	Little film life left	Occurs when the remaining film amount is less than 10%	Preparing to add new film



Caution

For the above faults, the fault state is cleared after performing one of the following three actions after failover.

- 1) Press the 'RIBBON SET' button while the ribbon is normally installed.
- 2) Press the 'EJECT' button
- 3) Turn off the power switch and turn it on again

-Other errors

Inconvenience	Solutions
When printing occurs frequently, the ribbon is cut off at the top end of the card.	-Check the X-start coordinate value in the printer driver settings. -Recommendation of the X-start adjustment value is 14 ± 2
If the printer cannot find the Card Designer program or another program	Check if the printer driver is installed correctly -Check if the communication cable is properly connected -PC reboot

Check Ribbon & Film Specifications

-Color Ribbon specification

Ribbon type	Specification	NR series
YMCK	600 Prints/Roll	○
YMCK-K	600 Prints/Roll	○

-Mono Ribbon specification

Ribbon type	Specification	NR series
K	1200 Prints/Roll	○

-Film specification

Film type	Specification	NR series
OVERLAY	1200 Prints/Roll	○

Check the printer specifications

-Product Features

Up to 200 cards feeder

- Up to 200 cards can be loaded

Small size and weight

- Small size that can be installed in any narrow space
 - Easily transportable using left and right handles
- High level of security

Easily transportable using left and right handles

- Optionally selectable physical lock slots such as cartridge and card feeder locks and Kensington locks (high security based on retransfer card printers)

User-oriented interface

- Intuitive 4-inch touch screen, full color LCD display

Supports various card sizes

- Supports cards of various sizes such as CR79 / CR80 / CR90

-Product standard specification

① Printing method

- Thermal transfer dye sublimation method

② Print function

- Edge to edge method, single-sided/double-sided possible

③ Resolutions

- 300dpi(NR300), 600dpi(NR600), Y/M/C 256 color per pannel

④ printing speed

(1) Color printing

- Simplex printing : 122 sheets per hour (YMCK)
- Duplex printing : 80 sheets per hour (YMCKK)

⑤ Card loading capacity

- Card supply box : Basic 200 sheets (0.76mm standard)
- Card loading box : 150 sheets (0.76mm standard)

-Option specification

- Scanner module :

- 1) After inserting the card, move the card to the standby position
- 2) Move to the location of the SCAN module in the lower path with the Scan command and execute Scan.
- 3) After completing the scan, transfer the scan data and move to the card standby position
- 4) Card eject with Card Eject command

- Card Hopper lock

- Cartridge lock

- Magnetic/IC Contact

- RF Contactless smart card encoding

- 1) After inserting the card, move the card to the RF antenna position.
- 2) Activating RF Field and receiving card response with RF Power on command
- 3) Receive card information and send host with RF Card APDU command
- 4) Deactivate RF Field with RF Power OFF command after completion of process
- 5) Card eject with Card Eject command
- 6) MODEL : RF CARD READER, RF TAG READER
- 7) RANGE OF FREQUENCY : 13.56MHz
- 8) CONTACTLESS(RF) CARD: MIFARE, ISO1443 A, B, DESFIRE, NFC
- 9) OPERATIONAL TEMPERATURE RANGE : 10 C ~ 30 C

-Printer specifications

① Product size(Length x Width x height) Weight

- Product size : 451mm(L) x 270mm(W) x 397mm(H) -With Hopper
451mm(L) x 270mm(W) x 304mm(H) -Without Hopper
- Product weight : 11.78kg

② Power

- Input : 100-240V 50/60Hz 2.1A / Output : 24 Vdc, 6.25 A



Caution

Printing when using an adapter other than the one provided by the manufacturer

Caution Do not use other adapters as it may cause quality problems.

③ Font

- MS WINDOW type font

④ Memory

- 128 MB RAM

⑤ Interface

- USB 2.0 connection, 10/100 BASE-T Ethernet

⑥ PC Specifications

- Windows 2000, Windows XP (32/64bit), Windows Vista (32/64bit), Windows 7 (32/64bit), Windows 8 (32/64bit), Windows 10 (32/64bit), Windows 2012 R2 Server, Windows 2008 Server, Windows 2003 Server (32/64bit)

⑦ Software

- Card Designer

⑧ Environmental Operating Range

Sheltered office environment 10°C to 30°C (50°F to 85°F)

Regulatory

-FCC

FCC IDENTIFIER : XTNNL300

Name of Grantee : TIT ENG Co.,Ltd.

Equipment Class : Part 15 Low Power Communication Device Transmitter

Notes : ID Card Printer

FCC Information to User

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution

Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Compliance Information : This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Please keep a distance of 20cm when using the device.

IMPORTANT NOTE:

FCC RF Radiation Exposure Statement:

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This document is the copyright of TIT ENG Co., Ltd. and may not be reproduced in full or in part by any means, electronic or otherwise, without the prior written consent of TIT ENG Co., Ltd.

The Company would be very grateful if any accidental inaccuracies could be pointed out to us, as well as any other constructive criticism which might lead to a better understanding.



www.pointman.co.kr

-Main Office : TIT ENG Co.,Ltd. (POINTMAN)

7th floor, Shin-do B/D, 215, Jungdae-ro, Songpa-gu, Seoul, Korea (ZIP: 05702)
TEL : +82 2 3431 2370, FAX : + 82 2 3431 2371, www.pointman.co.kr
sales@pointman.co.kr

-U. S. A Office : POINTMAN Technologies Inc.

460 W. Lambert Road, Unit I, Brea, California, 92821 USA
TEL : +1 714 784 6088, www.pointmanusa.com

-China Office : POINTMAN Trading Co.,Ltd

Room 10G, Building B, Zhongyangdadao, Baoyuan Road 2004,
Xixiang Street, Bao an district, Shenzhen, China (ZIP: 518102)
TEL : +86 755 2397 2483, FAX : + 86 755 8275 5963, www.pointmanchina.com