



MX55
DOOR ACCESS CONTROLLER
QUICK START GUIDE MANUAL

(R1.0.1)

TABLE OF CONTENTS

1.	HOW TO DO A COLD START.....	3
2.	HOW TO GO INTO PROGRAMMING MODE.....	3
3.	HOW TO ADD CARD.....	3
4.	HOW TO DELETE CARD.....	4
5.	HOW TO ADD CARD BY KEY.....	4
6.	HOW TO DELETE CARD BY KEY.....	4
7.	HOW TO SET-UP COMMUNICATION BETWEEN MX55 AND PC.....	5
8.	HOW TO SET DATE AND TIME.....	5
9.	HOW TO SET TIMER.....	6
10.	HOW TO SET HOLIDAY.....	6
11.	HOW TO SET ACCESS TIME ZONE.....	7
12.	HOW TO SET PIN MODE.....	7
13.	HOW TO TURN ON / OFF CARD + PIN MODE.....	8
14.	HOW TO READ CARD AND PIN NUMBER.....	8
15.	HOW TO TURN ON /OFF PERMANENT LOCK RELEASE.....	8
16.	HOW TO SET THE LOCK RELEASE TIME.....	8
17.	HOW TO TURN ON / OFF ANTIPASSBACK.....	9
18.	HOW TO PRINT THE TRANSACTION AND CARD HOLDER DATABASE.....	9

MX55 DOOR ACCESS CONTROLLER

To do selection of a function	Usage description
Key 8 (UP '▲')	To scroll through functional menu or sub-menu items.
Key 0 (Down '▼')	
Key # (Enter)	It is used to enter into sub-menu level.
Key * (ESC)	It is to escape from a sub-menu level back to main menu or to escape from the programming mode.

1. HOW TO DO A COLD START

- Step 1 : Hold down Key '1' on the keypad and at the same time press once the 'reset' switch SW1 locate on the main PCB inside the controller cover. Release the key '1' after the LCD displays the 'MX55...VX.X.XX (controller version number).
- Step 2 : The LCD will show "**MASTER**". Key in the 4-digit **Master Pin**. (e.g. 1234)
- Step 3 : Select **card type**. (e.g. *WIEG*)
- Step 4 : Press "Enter" to end the Cold start.

Now the display will show "...Initialize..."

After 2 seconds, the display will show the date and time.

Note:-

*Card Type: WIEG = 26 bit Wiegand format, PROX = 37 bit Wiegand format
The default card type is WIEG.*

2. HOW TO GO INTO PROGRAMMING MODE

- Step 1 : Press 'Enter', the display will show "**PIN**".
- Step 2 : Key in the 4-digit **Master Pin**. (e.g. 1234)

Now the display will show "*** CARD MENU***". This indicates that the reader already in the programming mode.

3. HOW TO ADD CARD

- Step 1 : Press 'Enter' and key in Master PIN to go into programming mode. The LCD will show "CADR MENU".
- Step 2 : Press 'Enter', display will show "Add Card".

- Step 3 : Press 'Enter', display will show "Time Zone: 00". Key in 2 digit time zone. (e.g. 09)
- Step 4 : Press 'Enter', display now will show "...Install Card..". This indicates that the reader is ready to read card, just badge the card in front of the controller. Badge second card to continue the installation.
- Step 5 : To exit, press key "ESC" until the LCD show date and time.
- Step 6 : If Card has been recorded, it will show "...Card Exist..."
- Step 7 : If Card has successful installed, it will show "...Pass..."
- Step 8 : If Card database is full, it will show "...Dbase Full..."

Note:-

Time Zone 09 means have accessed all time.

For more information on setting Time Zone Category, please refer to User Manual.

4. How to delete card

- Step 1 : Press 'Enter' and key in Master PIN to go into programming mode. The LCD will show "CADR MENU".
- Step 2 : Press 'Enter', display will show "Add Card".
- Step 3 : Press '0' to search for the "Delete Card" sub menu.
- Step 4 : Press 'Enter', display now will show "...Delete Card..". This indicates that the reader is ready; just badging the card in front of the controller to delete from the MX55.
- Step 5 : To exit, press key "ESC" few times until the LCD show date and time.

Note:-

If card has been recorded, it will show "...Pass..."

If Card has not been recorded, it will show "Card Not Exist"

5. HOW TO ADD CARD BY KEY

- Step 1 : Press 'Enter' and key in Master PIN to go into programming mode. The LCD will show "CADR MENU".
- Step 2 : Press 'Enter', display will show "Add Card".
- Step 3 : Press '0' to search for the "ADD Card By Key" sub menu.
- Step 4 : Press 'Enter', the display will show "Time Zone: 00". Key in 2 digits time zone. (e.g. 09)
- Step 5 : Press 'Enter', the display will show "Card No:". Key in the 6 digits card number. (e.g.000001)
- Step 6 : Press 'Enter', the display will show "No of Card", where cards will be added into the database with succeeding numbers. (e.g. 05 – means the card number from 000001until 000005 will be record into database.
- Step 7 : To exit, press key "ESC" few times until the LCD show date and time.

6. HOW TO DELETE CARD BY KEY

- Step 1 : Press 'Enter' and key in Master PIN to go into programming mode. The LCD will show "CADR MENU".
- Step 2 : Press 'Enter', display will show "Add Card".
- Step 3 : Press '0' to search for the "DEL Card By Key" sub menu.
- Step 4 : Press 'Enter', the display will show "Card No:". Key in the 6 digits card number you want to delete from the controller. (e.g.000001)
- Step 5 : Press 'Enter', the display now will show "No of Card", where cards will be delete from the database with succeeding numbers. (e.g. 05 – means the card number from 000001until 000005 will be delete from database.
- Step 6 : To exit, press key "ESC" few times until the LCD show date and time.

7. HOW TO SET-UP COMMUNICATION BETWEEN MX55 AND PC

7.1 Set Unit Number

- Step 1 : Press 'Enter' and key in Master PIN to go into programming mode. The LCD will show "CADR MENU".
- Step 2 : Press '0' to search for the "***COMM SETUP***" menu.
- Step 3 : Press 'Enter', the display will show "Unit No".
- Step 4 : Press 'Enter', the display will show "Unit No: 01". Key in 2 digit unit number and press 'Enter'.
- Step 5 : To exit, press key "ESC" few times until the LCD show date and time.

7.2 Set Baudrate

- Step 1 : Press 'Enter' and key in Master PIN to go into programming mode. The LCD will show "CADR MENU".
- Step 2 : Press '0' to search for the "*** COMM SETUP***".
- Step 3 : Press 'Enter', the display will show "Unit No".
- Step 4 : Press '0' to search for the "Baud Rate" sub menu and press 'Enter'.
- Step 5 : The display will show "Baud Rate: 19200".Select the correct baud rate.
- Step 6 : To exit, press key "ESC" few times until the LCD show date and time.

Note:-

The default setting for unit number is 01 and default baud rate is 19200..

8. HOW TO SET DATE AND TIME

- Step 1 : Press 'Enter' and key in Master PIN to go into programming mode. The LCD will show "CADR MENU".
- Step 2 : Press '0' to search for the "* DATE & TIME *" menu.

- Step 3 : Press 'Enter', display will show "ddmmyy.." key in the date. (e.g.2505053)
 Step 4 : Press 'Enter', display will show "hhmmss".key in the time. (e.g.183005)
 Step 5 : To exit, press key "ESC" few times until the LCD show date and time.

Note:-

For date: dd = day mm = month yy = year
 w = week day (0=Sunday, 1-6=Monday – Saturday)

For time: hh = hour mm = minute ss = second

9. HOW TO SET TIMER

- Step 1 : Press 'Enter' and key in Master PIN to go into programming mode. The LCD will show "CADR MENU".
 Step 2 : Press '0' to search for the "**** TIMER ****" menu and press 'Enter'.
 Step 3 : The display will show "Timer Set: 01". Key in the timer number and press 'Enter'.
 Step 4 : The display will show "S1:0000 E1: 0000". Key in the start time 1 (S1) and press 'Enter'. (e.g.0800)
 Step 5 : The display will show "S1:0800 E1: 0000". Key in the end time 1 (E1) and press 'Enter'. (e.g.1200)
 Step 6 : The display will show "S2:0000 E2: 0000". Key in the start time 2 (S2) and press 'Enter'. (e.g.13 00)
 Step 7 : The display will show "S2:13 00 E1: 0000". Key in the end time 2 (E2) and press 'Enter'. (e.g.1700)
 Step 8 : The display will show "**** TIMER ****". Press 'Enter' to set the second timer by repeat the step 3-7.
 Step 9 : To exit, press key "ESC" few times until the LCD show date and time.

Note:-

For 2 session access time:

S1:0800 E1:1200 S2:1300 E2:1700

- mean the access time is from 8:00am until 12:00 for morning session and 13:00pm until 17:00pm for afternoon session. The lunch time 12:00pm – 13:00pm is not allowed to access.

For 1 session access time:

S1:0800 E1:1700 S2:0000 E2:0000

- mean the access time is from 8:00am until 17:00pm.

The timer number is from 01 – 24.

10. HOW TO SET HOLIDAY

- Step 1 : Press 'Enter' and key in Master PIN to go into programming mode. The LCD will show "CADR MENU".
 Step 2 : Press '0' to search for the "**** HOLIDAY ****" menu and press 'Enter'.
 Step 3 : The display will show "Holiday Set: 01". Key in the holiday number and press 'Enter'. (e.g.01)

- Step 4 : The display will show “DDMM.....0000”. Key in the holiday date and press ‘Enter’. (e.g.0101)
- Step 5 : The display will show “***HOLIDAY ***”. Press ‘Enter’ to set the second holiday by repeat the step 3-5.
- Step 6 : To exit, press key "ESC" few times until the LCD show date and time.

Note:-

DD = date MM = month
DDMM = 0101 – means the holiday is 1st January.
The holiday number is from 01 – 20.

11. How to set Access time zone

- Step 1 : Press ‘Enter’ and key in Master PIN to go into programming mode. The LCD will show “CADR MENU”.
- Step 2 : Press ‘0’ to search for the “** TIME ZONE **” menu and press ‘Enter’.
- Step 3 : The display will show “Access TZ” and press ‘Enter’.
- Step 4 : The display will show “TZ Set: 01”. Key in the time zone number and press ‘Enter’. (e.g.01). The display will show “Sunday: 00”.
- Step 5 : Key in the correct timer and press Enter’. (e.g.01).
- Step 6 : Repeat the Step 5 to set the time zone for Monday – Saturday.
- Step 7 : To exit, press key "ESC" few times until the LCD show date and time.

Note:-

For example if the timer zone setting is show below:

Sunday: 00 – no access

Monday: 01- follow the timer 1 access time mean form 8:00am until 17:00pm

Tuesday: 01- follow the timer 1 access time mean form 8:00am until 17:00pm

Wednesday: 01- follow the timer 1 access time mean form 8:00am until 17:00pm

Thursday: 01 - follow the timer 1 access time mean form 8:00am until 17:00pm

Friday: 01 - follow the timer 1 access time mean form 8:00am until 17:00pm

Saturday: 00 – no access

The time zone 09 is full access and time zone 00 is no access.

12. HOW TO SET PIN MODE

- Step 1 : Press ‘Enter’ and key in Master PIN to go into programming mode. The LCD will show “CADR MENU”.
- Step 2 : Press ‘0’ to search for the “**PIN SETUP**” menu and press ‘Enter’.
- Step 3 : The display will show “PIN Entry No”. Press ‘Enter’.
- Step 4 : The display will show “PIN Set: 0”. Key in the PIN storage number and press ‘Enter’. (e.g. 1)
- Step 5 : The display will show “Time Zone: 09”. Select the PIN time zone and press ‘Enter’.

- Step 6 : The display will show "PIN NO: 0000". Key in the 4 digits PIN number and press 'Enter'. (e.g.1111).
- Step 7 : The display will show "PIN Entry No". Repeat the Step 3 – 5 to set the second PIN.
- Step 8 : To exit, press key "ESC" few times until the LCD show date and time.

Note:-

There are 3 secret PIN number storage location from 1 to 3.

13. HOW TO TURN ON / OFF CARD + PIN MODE

- Step 1 : Press 'Enter' and key in Master PIN to go into programming mode. The LCD will show "CADR MENU".
- Step 2 : Press '0' to search for the "***PIN SETUP**" menu and press 'Enter'.
- Step 3 : Press '0' again to search for the "Card + Pin Mode" sub menu and press 'Enter'.
- Step 4 : The display will show "PIN Mode: OFF".
- Step 5 : Press '0' to ON/OFF the Card + Pin mode and press 'Enter'.
- Step 6 : To exit, press key "ESC" few times until the LCD show date and time.

Note:-

The default setting for Card + Pin mode is OFF.

14. HOW TO READ CARD AND PIN NUMBER

- Step 1 : Press 'Enter' and key in Master PIN to go into programming mode. The LCD will show "CADR MENU".
- Step 2 : Press '0' to search for the "***PIN SETUP**" menu and press 'Enter'.
- Step 3 : Press '0' again to search for the "Read Pin No" sub menu and press 'Enter'.
- Step 4 : The display will show "...READ...". This indicates that the reader is ready, just waving the card and the display will show the 6 digits card number and 4 digits PIN number.
- Step 5 : To exit, press key "ESC" few times until the LCD show date and time.

15. HOW TO TURN ON /OFF PERMANENT LOCK RELEASE

- Step 1 : Press 'Enter' and key in Master PIN to go into programming mode. The LCD will show "CADR MENU".
- Step 2 : Press '0' to search for the "***CONTROLLER SETUP**" menu and press 'Enter'.
- Step 3 : The display will show "Permanent Open" sub menu and press 'Enter'.
- Step 4 : The display will show "PLR: OFF".
- Step 5 : Press '0' to ON/OFF the permanent lock release and press 'Enter'.
- Step 6 : To exit, press key "ESC" few times until the LCD show date and time.

Note:-

The default setting for permanent lock release is OFF.

16. HOW TO SET THE LOCK RELEASE TIME

- Step 1 : Press 'Enter' and key in Master PIN to go into programming mode. The LCD will show "CADR MENU".
- Step 2 : Press '0' to search for the "***CONTROLLER SETUP***" menu and press 'Enter'.
- Step 3 : Press '0' two times to search for the "Lock Release TM" sub menu and press 'Enter'.
- Step 4 : The display will show "Release Time: 05". Key in the release time and press 'Enter'.
- Step 5 : To exit, press key "ESC" few times until the LCD show date and time.

Note:-

The default setting for Lock Release Time is 5 second. The maximum Lock Release Time is 99 seconds.

17. HOW TO TURN ON / OFF ANTIPASSBACK

- Step 1 : Press 'Enter' and key in Master PIN to go into programming mode. The LCD will show "CADR MENU".
- Step 2 : Press '0' to search for the "***CONTROLLER SETUP***" menu and press 'Enter'.
- Step 3 : Press '0' to search for the "Antipassback" sub menu and press 'Enter'.
- Step 4 : The display will show "Antipassback: OFF".
- Step 5 : Press '0' to ON/OFF the antipassback and press 'Enter'.
- Step 6 : To exit, press key "ESC" few times until the LCD show date and time.

Note:-

The default setting for Antipassback is OFF.

18. HOW TO PRINT THE TRANSACTION AND CARD HOLDER DATABASE

18.1 Print Transaction

- Step 1 : Press 'Enter' and key in Master PIN to go into programming mode. The LCD will show "CADR MENU".
- Step 2 : Press '0' to search for the "*** PRINTING ***" menu and press 'Enter'.
- Step 3 : The display will show "Print Trans".
- Step 4 : Press 'Enter', it will show "...PRINT..." and the data is printing in HyperTerminal program. It will show "Print Trans" again after finishing print the transaction.
- Step 5 : To exit, press key "ESC" few times until the LCD show date and time.

18.2 Print Card Holder Database

- Step 1 : Press 'Enter' and key in Master PIN to go into programming mode. The LCD will show "CADR MENU".
- Step 2 : Press '0' to search for the "*** PRINTING ***" menu and press 'Enter'.
- Step 4 : The display will show "Print Trans".
- Step 3 : Press '0' to search for the "Print Card Dbase" sub menu.
- Step 5 : Press 'Enter', it will show "...PRINT..." and the data is printing in HyperTerminal program. It will show "Print Card Dbase" again after finishing print the transaction.
- Step 6 : To exit, press key "ESC" few times until the LCD show date and time.