



Biometrics Device Access controller

Fingerprint & Finger Vein

F© (E MA **507**

V100126





| B. Adding / Deleting F | Fingerprint or Finger-Vein | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|
| Adding | | | | | | | | | |
| PS The AR-821EE need t | to collect twice for each fingerprint and the Al | 2-821EV need to collect three times | s on the sensor lens -> Succeeded | | | | | | |
| Deleting | to collect twice for each hige print, and the Al | | | | | | | | |
| Access programming mode \rightarrow 2)User Setting \rightarrow 7 Delete FP \rightarrow Key in 5-digit user address \rightarrow Succeeded | | | | | | | | | |
| P.S. If you want to delete all users' FP, key in 9999 # | | | | | | | | | |
| Programming | | | | | | | | | |
| A. Keyboard Lock/ Ur | nlock | | | | | | | | |
| • Lock/ Unlock | | | | | | | | | |
| Inputting * and # at the | he same time can make keybeard locked, and t | hen press once to unlock. | | | | | | | |
| B. Entering and Exiting Programming Mode | | | | | | | | | |
| Entering | | | | | | | | | |
| Input * 123456 # or * | PPPPP# | 070110 input + 070110 # | | | | | | | |
| PS If within 20 sec optor | 123456. If already changed the Master Code | ≈ 876112 , input $\approx 876112 \# \rightarrow \text{Access p}$ | rogramming mode | | | | | | |
| • Exiting | | programming mode. | | | | | | | |
| Press the * twice repea | atedly \rightarrow 6 Quit \rightarrow then press # to confirm | | | | | | | | |
| Changing the Master Co | ode | | | | | | | | |
| Access programming mod | $de \rightarrow 5$ Tools $\rightarrow 2$ Master Code \rightarrow Input the | e 6-digit new master code \rightarrow Succeeded | | | | | | | |
| C. Initial setup | | | | | | | | | |
| Changing the Language | e | | | | | | | | |
| Access programming mod | $de \rightarrow 5$ Tools $\rightarrow 1$ Language $\rightarrow 1$ EN \rightarrow S | ucceeded → Initial system | | | | | | | |
| Changing the Node ID o | of Reader | | | | | | | | |
| Access programming mod | Access programming mode \rightarrow 3 Parameters[1] \rightarrow 1 Node ID \rightarrow Input New Node ID:1~254(default value: 001) \rightarrow Input: 1~4 to Show Card ID | | | | | | | | |
| in which format? (1.No, 2 | , 2.WG, 3.ABA, 4.HEX) → Succeeded | | | | | | | | |
| D. Access Mode | | | | | | | | | |
| Access programming mode | $e \rightarrow 2$ User Setting $\rightarrow 2$ Access Mode \rightarrow Ke | ey in 5-digit user address \rightarrow 1:FP/Tag; 2 : | or PIN; 3: and PIN; 4: Pause → | | | | | | |
| Check FP Image: 1: Yes; 2: | : No \rightarrow Succeeded | | | | | | | | |
| | er Access Type | [Check EP Image] must select [2: NO | | | | | | | |
| 1: FP/Tag FP (| only/ Tag + FP | FP only/ Tag only | | | | | | | |
| 2: or PIN FP 0 | only/ Tag + FP/ User address + PIN + FP | FP only/ Tag only/ User address + PI | N only | | | | | | |
| 3: and PIN FP - | + PIN | FP + PIN/ Tag + PIN | | | | | | | |
| 4: Pause Pau | use | Pause | | | | | | | |
| ※ 4 Parameters[2] → 9 | Check User FP \rightarrow must select [1: Yes] | | | | | | | | |
| E. Anti-pass-back | | | | | | | | | |
| Access mode Card and Pin | n, Card Pin or Card only for connecting with th | e model AR-721K | | | | | | | |
| Access mode Card only, Ca | ard and PIN for connecting with the model AR | -721U, AR-737H/U (WG mode) and AR-6 | 61U | | | | | | |
| Device enable Accoss programming mod | odo → A Paramotors[2] → 7 Anti pass back | → must soloot [1: Vos] | | | | | | | |
| Card user enable | | | | | | | | | |
| Access programming mod | $de \rightarrow 1$ Add/ Delete $\rightarrow 9$ Antipass Group \rightarrow | Kev in 5-digit starting user address - | → Key in 5-digit ending user | | | | | | |
| address \rightarrow select [1: Yes | s] | | | | | | | | |
| F. Setting up the alar | rm | | | | | | | | |
| Conditions: | Application: | | | | | | | | |
| 1. Arming is enabled | 1. Door open too long: Door is | open longer than door relay time plus doo | or close time. | | | | | | |
| 2.Prompt alarm system co | connected 2. Force open (Opened without | a valid user card): Access by force or ille | gal procedure. | | | | | | |
| | 3. Door position abnormal: Wh | en power is off and then on, the reader is | on arming before power off. | | | | | | |
| Enable/Disable Arming | ı status: | | | | | | | | |
| Standby Mode | | | | | | | | | |
| Card only | Door is not open | | Card and Passcode | | | | | | |
| | DOUT IS HOLOPER | $\frac{1}{2} \text{ Input 5 algit user address} \rightarrow \frac{1}{2}$ | $\begin{array}{c} \text{mauce value care } \rightarrow \text{mput 4 digit} \\ \text{pass code} \rightarrow \# \rightarrow \text{Input 4 digite} \end{array}$ | | | | | | |
| arming code \rightarrow # | \rightarrow Induct valid card | $ = \lim_{n \to \infty} u_n u_n u_n u_n u_n u_n u_n u_n u_n u_n$ | arming code $\rightarrow \#$ | | | | | | |
| Enter Program Mode | | | | | | | | | |
| Enable: Access programming mode \rightarrow 7 Quit & Arming Disable: Access programming mode \rightarrow 6 Quit | | | | | | | | | |
| % [Use FP] can substitute | te for [Induct valid card]. | | | | | | | | |
| G. PIN Code | • • • • • • | | | | | | | | |
| Access programming mode | $e \rightarrow 2$ User Setting $\rightarrow 1$ Password $\rightarrow Key in$ | n 5-digit user address → Key in 4-digit | t PIN (0001~9999) → Succeeded | | | | | | |
| Or via 701Client to set it up on Users screen | | | | | | | | | |

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H. Arming Password

Access programming mode \rightarrow 3 Parameters[1] \rightarrow 8 Arming PWD \rightarrow Key in 4-digit PIN (0001~9999; Default: 1234) \rightarrow Succeeded Or via 701Server to set it up on AR-821EF or AR-821EV screen

I. Duress Code

Access programming mode \rightarrow **4** Parameters[2] \rightarrow **8** Duress Code \rightarrow **4 sets (select one)** \rightarrow **Key in 4-digit PIN (0001~9999)** \rightarrow Succeeded Or via 701Server to set it up on AR-821EF or AR-821EV screen

*Duress Code is only available in networking mode. It will substitute a personal pin code and send the message of Duress to computer as a warning signal and access door.

Software Settings on 701Server

1. Click "82X" icon

- 2. Click "Read From Controller"
- 3. Click "Write To Controller" once setting completed
- 4. Click "Exit"



| 321E/829E Para | ameter sett | ing | 2 | | | | |
|---|--|---------------------------------------|-------------------------|--|--|--|--|
| Read From | 001 💌 | 🔽 Master Node | 🗆 Enable Anti-passback | | | | |
| Node Addr | 1 | English Menu | WG Port Use Alarm Relay | | | | |
| Door Relay | 5 | 🗖 Date Format (DD/MM | 🗖 Enable via Master | | | | |
| Alarm Relay | 7 | 🔽 Enable Force Alarm | Max Error Times 5 | | | | |
| Wait Delay | 15 | 🔽 Enable Egress Button | Msg. Overflow 0 | | | | |
| Arm. Delay | 1 | 🗖 Enable Auto Relock | Duress Code | | | | |
| Alarm Delay | 1 | 🗖 Time Zone Via Door | 1111 2222 | | | | |
| Master | ••••• | 🗖 Auto Open (Zone:63) | 3333 4444 | | | | |
| Arm. Pass | 1234 | 🗖 Auto Disarm (Zone:62] | | | | | |
| Fringer # | 9000 | Check Fingerprint | Daily Time Schedule | | | | |
| Door Num | 1 | TimeAttendance Reader | On Alarm for Expiry | | | | |
| Idle Screen | | | | | | | |
| TP1 Serial F | Port Forma | LED Display G Line Pri | inter C Terminal | | | | |
| EM/Varei | 010 3 | 5. 0004 FF | | | | | |
| | orn. 0.0 | 2 Pango : | 1 20 | | | | |
| 2. 1/R Read From Controller | | | | | | | |
| Empty Controller Message 6 Single C All Connected | | | | | | | |
| ₽ | Write To Controller 7. In Download 🔯 Delete 8. | | | | | | |
| 3 | Exit 4. 🕷 Upload from Device to Eile | | | | | | |
| Fingerprint © No | Identify Le rmal | vel (AR821EF∨9 Only) © More Secure | © Top Secure | | | | |

**Please note that the fingerprint data will be saved in different format V3 and V9, so the data is not compatible.

• Uploading fingerprint database to PC

First of all, please make sure users have registered their fingerprints to the device.

- 1. select node number of the device
- 2. click "Read from Controller"
- 3. set range to 20 (it is suggested not to exceed more than 20 fingerprints each uploading and downloading)
- 4. click "Upload from Device to File"
- 5. status popped up

Downloading fingerprint database from PC to the device(s)

- 6. by selecting "Single" or "All Connected", the FP database can be downloaded to one single device or all connected devices. (Suggest to download by "Single".)
- 7. click "Download"
- Deleting fingerprint database on the device

3. select the range of the fingerprints to delete (Not over 20 Fingerprints.)

8. click "Delete"

| Manu Tree | | | | | | | | |
|------------------------------------|--------------------------------|--------------------------------|------------------------------------|-------------------------|-----------------|--|--|--|
| 1. Add/ Delete 1. Add > Card ID | 2. User Setting 1. Password | 3. Parameters[1] 1. Node ID | 4. Parameters[2] 1. Auto Relock | 5. Tools 1. Language | 6. Quit | | | |
| 2. Add > RF Learn | 2. Access Mode | 2. Auto open Zone | 2. Egress(R.T.E) | 2. Master Code | 7 Quit 8 Arming | | | |
| 3. Suspend > Address | 3. Extend Options | 3. Door Relay Tm | 3. Attendance | 3. Master Range | | | | |
| 4. Suspend > ID # | 4. Single Floor | 4. Door Close Tm | 4. Master Node | 4. Terminal Port | | | | |
| 5. Delete > Address | 5. Multi Floor | 5. Alarm Relay Tm | 5. Force Open | 5. AR401RO16 Node | | | | |
| 6. Delete > ID # | 6. Enroll FP | 6. Alarm Delay Tm | 6. Close & Stop | 6. Open Time Zone | | | | |
| 7. Recover > Address | 7. Delete FP | 7. Arming Delay Tm | 7. Anti-pass-back | 7. Informations | | | | |
| 8. Recover > ID # | | 8. Arming PWD | 8. Duress Code | 8. Clock Setting | | | | |
| 9. Antipass Group | | | 9. Check User FP | | | | | |

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