SYFPM FingerPrint Management System Operation Manual

Version 1.1



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Program installation

- Software system demand
 - CPU : Pentium II 350MHz or higher [Pentium III, Pentium 4 is the best]
 - RAM : 64MB or higher [128MB, 256MB is the best]
 - Hard Disk : 40MB available space
 - CD-ROM : software installation
 - Operating system : Windows 95/98/2000/Me/XP
 - Database : MS-Access Database > MS-SQL Server or Linux MySQL Server
- Step 1:Input disk in CD-ROM and after executing will display prepare install SYFPM_VOID
 O_Setup.exe
 Screen as follows.

InstallShield Wizard	
SYRIS Finger Print Management Setup is preparir Wizard which will guide you through the program Please wait.	ng the InstallShield setup process.
Checking Operating System Version	
	Cancel

• Step 2: system prepare install procedure complete, please click <u>Next</u> > to continue

installation.



• Step 3 : The install program will display software using contract, read carefully and if

agree the item of contract, please select OI accept the terms in the license agreement and click

<u>N</u> ext >	to	continue	instal	lation.
----------------	----	----------	--------	---------

😸 SYRIS Finger Print Management - InstallShield Wizard	×
License Agreement Please read the following license agreement carefully.	ß
To add your own license text to this dialog, supply your license agreement file in the Dialogs view. 1. Navigate to the Dialogs view. 2. Select the License Agreement dialog. 3. Set the License File property by browsing to your license agreement RTF file. After you build your release, your license text will be displayed in the License Agreement dialog	
 I accept the terms in the license agreement I do not accept the terms in the license agreement InstallShield < Back Next > Cancel 	

• Step 4: Please enter user name, organization [company] name and select the type of install program, can choose install for all user of the computer or only for insall programmer.

🙀 SYRIS Finger Print Management - InstallShield Wizard	
Customer Information Please enter your information.	
User Name: Liao	
Organization: SYRIS	
Install this application for:	
 Anyone who uses this computer (all users) 	
○ Only for <u>m</u> e (Jason)	
InstallShield	ext > Cancel

• Step 5: Allocate the contents of install program. If want to install in the system preset contents [C:\Program Files\SYFPM], click ______, and if want to install in

different location, can use __hange... to selec t the path.

🙀 SYRIS Finger Print Management - InstallShield Wizard	×
Destination Folder Click Next to install to this folder, or click Change to install to a different folder.	
Install SYRIS Finger Print Management to: C:\Program Files\SYFPM\	<u>C</u> hange
InstallShield	Cancel

• Step 6: The install program will display the install contents, user information. Please cjeck the displayed contents and after confirm, select **Install** to start system installation.

🛃 SYRIS Finger Print Management - InstallShield Wizard	×
Ready to Install the Program The wizard is ready to begin installation.	3
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard. Current Settings:	
Setup Type:	
Destination Folder:	
C:\Program Files\SYFPM\	
User Information:	
Name: Liao	
Company: SYRIS	
InstallShield	
< <u>B</u> ack Install Cancel	

• Step 7: The system has successfully install procedure, please select

to

Einish

complete installation.



Uses SYFPM manage system software.

Software purpose: Fingerprints manage system is for user can easily set up fingerprint and

fingerprint reader of personnel by use the operation convenience of software

To execute SYFPM manage system: select	背 start ∖	Programs	\ [SYRIS Finger Print Management
To open fingerprint manage system.				

发 System Login	
System Login	SKIR
Login ID: admin Password :	
✓ <u>O</u> K X <u>C</u> ancel	24

System login screen

Enter the user ID [indentify number] and password, at the first ime installation complete,

the system will preset the ID as admin, and preset a blank space at password. The user only

needs to click **V** to login.

If want to add, modify or delete the user ID or user password, the user can refer the introduction of <u>User Set Up</u> to modify by the described steps.

Main System Procedure



Fingerprint manage system main screen

Systems mainly set up function are: user set up, system set up and language set up. The fingerprint management separate into fingerprint reader set up and fingerprint reader device. The database management separate into personnel management and fingerprint management. After set up above can proceed fingerprint transmission.

As the main screen procedure, the sequence is:

User set up \rightarrow system set up \rightarrow language set up \rightarrow fingerprint reader set up \rightarrow fingerprint reader device \rightarrow personnel management \rightarrow fingerprint management \rightarrow fingerprint transmission. Operating tool bar introduction:



User Set Up

🚰 Finger Managerment	System		
	Finger Manage	erment System	
	User S	Setup	F
	System	Setup	D
	Languag	e Select	
			0
134	Holder Setup	Finger Setup	
		•	
7	Finger Edit	Finger Device	
0			
	Finger	Frans	
di a			S/N:02400003

Main system flow chart

😤 User Setup			
Data Function Exit			
요 🕑 👘 🕶 🍝 🕨	Ś	X	3 1
Data View			
Login ID: admin User Name: Administrator Password: ****			
ViewMode			

The purpose is to manage the operators of whole system, and give operators an ID and password. If enter blank in password, it will automatically login at second time instead of login screen.

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🚰 User Setup		
<u>D</u> ata <u>F</u> unction <u>E</u> xit		
D 🗹 👘 🔫	► ►	5 1].
Data View		
User ID	User Name	<u>^</u>
admin	Administrator	
user	User	
		≡
		~
ViewMode		

Switch to data surf page, the screen will display the user ID and user name.

System Set Up

🚝 Finger Managerment	System	
	Finger Managerment System	D
	User Setup	E
	System Setup	D
	Language Select	
		01
135	Holder Setup Finger Setup	
	Finger Edit Finger Device	
(D)		
0 1		
9	Finger Trans	
dil m		S/N:02400003

Main system flow chart

🖀 System Setup 🔀
Communication Parameter Serial Port: 3 BaudRate: 19200,e,8,1
Max Delay: 400 ms Re-send Times: 1
Finger Input Source
© Enroll © SYRDF5
✓ OK X Cancel

System set up screen

Communication argument: Set SYLink or the Com port of fingerprint reader and baudrate.

Input fingerprint source: When getting fingerprint in fingerprint management, the user can

choose desktop fingerprint Enroll or SYRDF5 to input fingerprint.

Enroll Input Set Up

After modify the parameters of communication argtument, select Enroll which in the option

of fingerprint input source, click	🗸 ок
of miger prine input source, ener	· · · · · · · · · · · · · · · · · · ·

	🖀 System Setup	
	Communication Parameter Serial Port: 3 BaudRate: 19200,e,8,1	
	Max Delay: 400 ms Re-send Times: 1	
	Finger Input Source © Enroll © SYRDF5	
	✓ OK X Cancel	
Direct start	Finger Edit to process fingerprint record and edit action, p	olease r

T<u>Fingerprint Management</u> for the detail operation.

	Finger Edi	t				
Ē	ata <u>F</u> unction	<u>E</u> xit				
[y 1	B	••	4 6 66	/ X A	
	No	Name		Finger Source	- Enroll	
▶	0001	waterliao		1. 1	2. 2	3. 3
	0002	liao	_			
	0003	chance	=	di di manan	1000	
	0004	race			and the second	
	0005	jason			THE OTHER STREET	THE PARTY OF
	0006	claire				
	0007	judy		Duress	Duress	Duress
	0008	leon				

SYRDF5 Set Up

After modify the parameters of communication argument, select SYRDF5 which in the option

of fingerpi	rint input source and click VK.	
	🖉 System Setup	
	Communication Parameter Serial Port: 3 BaudRate: 19200,e,8,1	
	Max Delay: 400 ms Re-send Times: 1	
	Finger Input Source	
	○ Enroll	
	✓ OK X Cancel	
Click	Finger Device to open the fingerprint set up window, after select fingerprint	reader
sequent nui	Imber, click "scan controller button", if display Finger Print Disconnect	

It means the system success connect with fingerprint device, and if didn't success on-line, it will dispaly <a>[Cead Finger Print Finished. (Com : #3)], please re-check the device connection.

🚰 Finger Setup			
ID Select			
	Finger No 1=12		
Comm Port Para	meter		
N	Start	Scan Reader	
Scan	S/N :	VER :	
	SAL Exit	🚰 Finger Setup	X
		_ID Select	
		Finger No 1=12	
		Comm Port Parameter	
		Oead Finger Print Finished. (Com :)	#3)
		Scan SN : VER :V3.01-	01
		SAL Exit	

Language Set Up

🚰 Finger Managerment	System	
	Dy	
	User Setup	E
	System Setup	D
	Language Select	
		0
	Holder Setup Finger Setup	
	*	
	Finger Edit Finger Device	
0)		
	Finger Trans	
Ali m		S/N:02400003

Main system flow chart

🐮 Language Select 🛛 🔀
Language Files Simplified Chinese(攝极算能) Traditional Chinese(繁體中文) English User Define
Current Select Language English
✓ 確定 × 取消

The system supply four languages as screen displayed: Simpified Chinese, Traditional Chinese,

English and User Define. The below side shows the language of present system, please

.

direct select the language and click

Fingerprint Reader Set Up

🚰 Finger Managerment	System			
	Finger Managerment System			
	User Setup	EG		
	System Setup	D		
	Language Select			
		1		
135	Holder Setup Finge	er Setup		
7	Finger Edit Finger	r Device		
0				
1210				
Y. J.	Finger Trans			
Ali		S/N:02400003		

Main system flow chart

🚰 Finger Setup	
ID Select	
	Finger No 1=12
Comm Port Para	meter
	Start Scan Reader
<u>s</u>	
Scan	S/N : VER :
	SAL Exit

Set up the communication argument of fingerprint reader and confirm the fingerprint readerID, select "scan controller button" and the system will automatically detect the port location, baudrate and working mode...etc. related information.

The preset baudrate: 19200, e, 8, 1 Working mode: RS485 24 bits

Fingerprint Reader Device

📲 Finger Managerment	System	
	Finger Managerment System	
	User Setup	EG
	System Setup	D
	Language Select	
		6
13.6	Holder Setup Finger Setup	
	Finger Edit Finger Device	
0		
0	Finger Trans	
AL: MA		S/N:02400003

Main system flow chart

🚰 Finger Print Device	
Data Function Exit	
D 📝 🔠 🕶 🔺 🕨 🛩 🖉 🚿	59].
Ctl. No Ctl. Name Connect FP. No	FP. Name
1 Controller 1 🗹 1	12
Controller 1	
Finger No 1	
Finger Name 12	

Add data amount with the fingerprint reader amount, if the fingerprint reader is direct communicate with computer and without through controller, therefore, the controller sequent number has to choose controller 0, then confirm the fingerprint reader sequent number and marks communication argument to communicate.

If the fingerprint reader communicate computer through controller, after select controller, the others steps are the same with above.

When selecting controller, user can also edit by the edit function above if want to add controller or edit r elated data.

The fingerprint reader sequent number is the fingerprint ID, it has be the same with fingerprint reader number to communicate, and it can be modified at "fingerprint set ID" argument.

The fingerprint name can be defined by user, such as: vault fingerprint reader, warehouse...etc.

The sequent number 0 controller is for computer direct communicate with fingerprint reader, other sequent number depend on the controller ID, it won't be able to communicate if set up error.

The name can be defined by user, such as: third floor controller.

Personnel Management

🚰 Finger Managerment	System	
	Finger Managerment System	
	User Setup	FG
	System Setup	D
	Language Select	
		0
	Holder Setup Finger Setup	
	Finger Edit Finger Device	
0		
0	Finger Trans	
di -		S/N:02400003

Main system flow chart

💾 HolderSetup		
<u>D</u> ata <u>F</u> unction <u>F</u>	<u>I</u> xit	
D 📝 🗉	<u>به</u> الله ا	< ► ► ✓ % \$¶.
No	Name 🔼	
b 0001	waterliao 📃	No: 0001
0002	liao	
0003	chance	Name: ustation
0004	race	
0005	jason	
0006	claire	Card ID: 00000000C9ED9E32
0007	judy 🚽	
<	>	Controller Finger Print

Before allotting fingerprint has to edit personnel data complete to select personnel proceed fingerprint allotment. Need to be careful the sequent number can not repeat.

Card internal code: each fingerprint in controller [if communicate through controller] is

using ascard to attend the function of 9999 fingerprints. Therefore, after set up card internal

code at personnel argument, when setting fingerprint, the system will immediately match the

card internal code of personnel with the set fingerprint.

There are three ways to get card internal code:

- 1. Input directly [under the situation of knew card internal code].
- 2. Get card internal code form controller.

🚰 Get Card ID-From Controller 🛛 🔀
Controller ID 1=12 Card No
Get Card ID
✓ OK X Cancel

Can select controller ID and card number and click get card ID if don't know card internal code. Click "confirm" to accept the card ID.

3. Get internal code form fingerprint reader

🚰 Get Card ID-From F	inger Print 🛛 🔀
Finger Print ID	1=12
Finger No 🖡	1
Get	t Card ID
✓ ОК	X Cancel

If didn't communicate thorugh controller, can get card ID directly form fingerprint reader.

Fingerprint Management

🚰 Finger Managerment	System	
	Finger Managerment System	
	User Setup	EG
	System Setup	D
	Language Select	V
		0
736	Holder Setup Finger Setup	
	* *	
	Finger Edit Finger Device	
0		
	Finger Trans	
di.		S/N:02400003

Main system flow chart

ta <u>F</u> uncti	on <u>E</u> xit					
7 t	B B 4	4 F FF	J X Я			
No	Name 🧹	Finger Source	- Enroll			
0001	waterliao	1	2 . 2	3. 3	4. 4	5.
)002	liao					Consideration of the second
0003	chance	111	111111			Constants.
Tingo	envint innut	COLLEGO	CONTRACTOR OF	г		
inge	rprint input	source		Fingerprin	it sequent nu	ımber
ingen	rprint input	source	Duress	Fingerprin	nt sequent nu	umber
inge 1007 1008	rprint input	Source Duress	Duress	Fingerprin Duress	nt sequent nu	umber Duress
inge 1007 1008 1009	rprint input	Source	Duress 7. 6	Fingerprin	nt sequent nu Duress 9. 8	Umber Duress 10. 1
inge 0007 0008 0009 0010	rprint input	Source	Duress 7. 6	Fingerprin Duress 8. 7	Duress 9. 8	Duress
inge 0007 0008 0009 0010	rprint input	Source	Duress 7. 6	Fingerprin Duress 8. 7	nt sequent nu Duress 9. 8	Duress
inge 0007 0008 0009 0010 0011 0012	rprint input	Source	Duress 7. 6	Fingerprin Duress 8. 7	Duress 9. 8	Duress
inge 0007 0008 0009 0010 0011 0012 0013	rprint input	Source	Duress 7. 6	Fingerprin Duress 8. 7	nt sequent nu Duress 9. 8	Imber Duress 10. 1
Finge 50007 50008 50009 50010 50110 50112 50113 50014	rprint input	Source	Duress 7. 6	Duress 8. 7	Duress 9. 8	Under Duress

When set up personnel data at "personnel management" argument, it will list all personnel at left side

and the input fingerprint at right side, every person can have ten fingerprints at top.

Click Ø to turn system into fingerprint edit mode if want to add or modify, and move the cursor

into fingerprint input area, the cursor will turn to \overline{f}^{h} shape, click to proceed add or modify action.



The fingerprint input sources decide how to get fingerprint data, it can be decide at "system set up" argument. There are two way to get fingerprint: A. Enroll destop fingerprint scan device, B. get fingerprint from fingerprint reader [SYRDF5], the detail operating steps as follow:

A. Enroll desktop fingerprint scan device

Move cursor to "fingerprint input area" and the cursor will turn to the system Wait Scan Finger.. will display the input window of scan fingerprint [picture one] and display Enroll desktop fingerprint scan device will flash red light, please press fingerprint on the cold frame, and if press correctly and not overtake the scanning range, the system scan window will display the message of Input Success! as [picture two].

🚝 Scan Finger From Enroll 🚝 Scan Finger From Enroll × Input Success! Wait Scan Finger... 'Reinput 🖊 Reinput 🗸 ок X Cancel X Cancel 🗸 ок **Picture two**

Picture one

If didn't press finger in the effect range, it v	will display	Input Failure!	message as [picture
three], the user only need to click	Reinput	to record the fingerprin	nt again. And if didn't
press fingerprint on the controller ove	er setting ti	me, it will display th	e error message of
Input TimeOut! as [picture for	ır].		
	1	Scan Finger From For	.II 🔽
Scan Finger From Enroll			imeOutl
input Failure!		inpat i	
			alaput
Keinput			emput
⊘ OK X Cancel		🖉 ОК	X Cancel
Picture third		Picture	fourth

Click \checkmark OK then back to fingerprint management screen, the system will display the input fingerprint and automatically dispose a fingerprint sequent number for the fingerprint. This sequent number can use to manage personnel \rightarrow get card ID \rightarrow get card ID from SYRDF5 fingerprint reader.

IF want to set the fingerprint to anti-forced fingerprint, the user only need to click

Duress

When the fingerprint reader accepts this fingerprint, the reader will produce alarm immediately.

AFter complete the above steps, please click **v** to store fingerprint data into database.



B. Get fingerprint from SYRDF5 fingerprint reader:

In the system setting screen, set the fingerprint input source to SYRDF5 and click

:	_		 4
		- I I K	
:	_	- UN	
-	_		

store setting.

🚰 System Setup	
Communication Parameter Serial Port: 3 BaudRate: 19200,e,8,1	
Max Delay: 400 ms Re-send Times: 1	
Finger Input Source	
C Enroll C SYRDF5	
✓ OK X Cancel	
Click Finger Setup to open fingerprint reader setting window; select fingerprint reader sequ	ent
number and click" scan controller button", if display Cead Finger Print Finished. (Com : #	3)
It means the communication success between system and fingerprint device, and if not compl	ete
communication, it will display Finger Print Disconnect , please check	the
device connection status.	

🚰 Finger Setup	
ID Select	
	Finger No 1=12
Comm Port Para	meter
N	Cead Finger Print Finished. (Com : #3)
Scan	SN : VER :V3.01-01
-	SAL Exit

At this time can from fingerprint reader sequent number [ID], the ID source is set from the fingerprint device argument and in the on-line status [marks on on-line column]; The fingerprint sequent number is the blue text in edit argument, confirm these two sequent numbers and click "confirm" button to feedback the fingerprint data from SYRDF finerprint reader to fingerprint database. And right now the picture will turn to the picture of fingerprint reader but not fingerprint picture, it mean the fingerprint data is pass from fingerprint reader, after confirm click "store" button to storage.

💾 Finger Print Device			×
Data Function Exit			
D 🕑 👘 🕶 🖣	► H	• 🖉 १	3 51
Ctl. No Ctl. Name	Connect	FP. No	FP. Name
Controller 1	~	1	12
Fingerprin	t reader s	equent nur	nber source
Controller 1		•	
Finger No 1		_	
Finger Name 12			

The fingerprint input way is the same with the Enroll desktop fingerprint scan device record

<u>)</u> ata <u>F</u> uncti	on <u>E</u> xit							
9 1	B B			/ 23 A	l			
No	Name	Finger	Source - S	SYRDF5				
0001	waterliao	1.	11	2. 1	2 3.	13	4. 14	5. 15
0002	liao	-		[more service and				
0003	chance		439			499		10
0004	race	1866	88	13418	886		See 22	
0005	jason		22			22		
0006	claire							
0007	judy	Du	ess	Duress	Dur	ess	Duress	Duress
0008	leon	1						
0009	tina	6.	16	7.	08.	0	9. 0	10. 0
0010	morris	140,000	1777					1
0011	bruce		669					
0012	beryl		26					
0013	dino		21.					
0014	lishuchao							
0015	shushy	Dur	ess	Duress	Dur	ess	Duress	Duress
		×		-	0 (G			-

way, only proceed fingerprint record action on the different device.

Delete fingerprint: After click delete fingerprint, then click once the fingerprint which want to delete. At this time, user need to be careful with the connection status, or it will be only delete the fingerprint data in database but not in fingerprint reader., it makes database and fingerprint reader asynchronous. When confirm delete fingerprint reader, it will according to the fingerprint devive argument and delete all the communicated fingerprint data of fingerprint reader.

Fingerprint transmission

🚰 Finger Managerment	System	
	Finger Managerment	System
	User Setup	FO
	System Setup	D
	Language Select	
136	Holder Setup Finge	r Setup
	Finger Edit Finger	r Device
0		
N O	Finger Trans	
Ali an		S/N:02400003

Main system flow chart

🚰 Finger Trans										
						Trans to Finger	Print		\$	Exit
Π	No	Name	Select	^	Ctl. No	Ctl. Name	FP. No	FP. Nar	ne	Select
Þ	0001	waterliao	Image: A start and a start and a start a st		1	Controller 1	1	12		Image: A start and a start
	0002	liao	~							
	0003	chance	×							
	0004	race	×							
	0005	jason	×							
	0006	claire	×							
	0007	judy	×							
	0008	leon	×							
	0009	tina	×							
	0010	morris	×							
	0011	bruce	×							
	0012	beryl	×							
				~						
	Sele	ct All Cano	cel All			Select	All Can	cel All		

Select personnel at left side, select fingerprint reader at right side, after confirm click Trans to Finger Print

, and the system will transmit all the fingerprints of the selected personnel to the designate reader.

No	Namo	Salact		Ctl No.	Ctl Namo	ED No	ED Namo	Solo
0001	waterlian	Jelect		1	Controller 1	1	12	Jelet
0001	lian	1			- Solution of T			-
0003	chance	×						
0004	race	×						
0005	jason	×						
0006	claire	×	Sy	stem Informa	111011			
0007	judy	×		Are you really v	vant to trans to FingerPr.	int?		
0008	leon	×		OK	Cancel			
0009	tina	×						
0010	morris	×	T			1.11		
0011	bruce	×						
	beryl	×	-					
0012			100000					

It select multi reader, it will according to the sequence and transmit all select ed personnel.

🚰 Finger Irans 🔀											
						Trans to Finge	er Print		S Exit		
	No	Name	Select 🔺	Π	Ctl. No	Ctl. Name	FP. No	FP. Name	Select		
	0001	waterliao		•	1	Controller 1	1	12	1		
	0002	liao	 Image: A second s	Г							
	0003	chance	×								
Π	0004	race	🗙 🔙 Syst	iem .	nformation						
	0005	jason	×		0	- I D Di-					
	0006	claire	× Sys	tem	Operatio	nai Process.Pie	ase w				
	0007	judy	×			68%					
	0008	leon	×		:::						
	0009	tina	×		×	Cancel					
	0010	morris	×		<u></u>						
	0011	bruce	×								
	0012	beryl	×								
Γ			*								
	Sele	ct All Can	cel All			Selec	ct All Can	cel All			
		Controller	1 FingerPrint 1 F	ingeri	No 12 BankN	o 2					