



## SmaFinger (SF600) Fingerprint Reader

### Instruction for Offline Use

REV.E  
August 27, 2007

#### SF600 Specifications:

Application		Offline Fingerprint Reader
Fingerprint Only	Enroll Mode	RS232 or Enroll Card
	Fingerprint Capacity	1900
	Fingerprint Validation	1:N
	Performance	Friendly
Identification speed		<1 sec (1:1) <2 sec (1:N)
Mifare Card Type		1K /4K
Mifare Read Distance		Max. 50mm
Interface		RS232 : 9600bps Wiegand: 26 bits ABA-TK2: 10 Digital Codes
Power Consumption		Max. 200mA @ DC12V
Special instruction: Available only for 100 user cards enrollment in "Card Only" mode		

#### Output Selection

##### Wiegand Output

Red ----- Power 9~12V  
Black ----- Power GND  
White ----- Data 1  
Green ----- Data 0  
Yellow ----- N/C  
Blue ----- N/C  
▶Orange ----- Black (GND)  
Brown ----- N/C or LED Control

##### ABA-TK2

Red ----- Power 9~12V  
Black ----- Power GND  
White ----- Strobe (Clock)  
Green ----- Data  
Yellow ----- N/C  
Blue ----- N/C  
▶Orange ----- N/C or Card Present  
Brown ----- N/C or LED Control

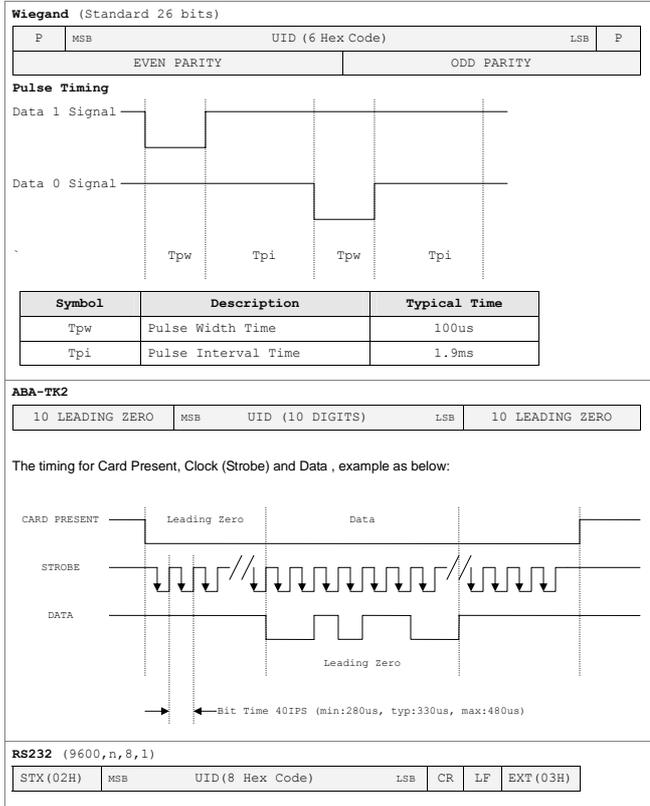
##### RS232

Red ----- Power 9~12V  
Black ----- Power GND  
White ----- N/C  
Green ----- N/C  
Yellow ----- RS232 Output (TX)  
Blue ----- N/C  
▶Orange ----- Black (GND)  
Brown ----- N/C or LED Control

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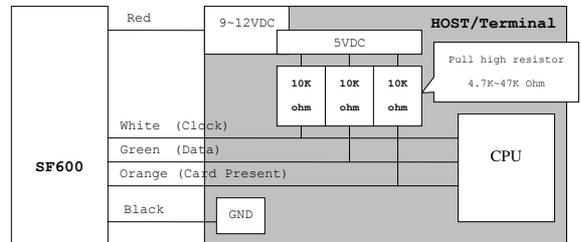
#### Output Format



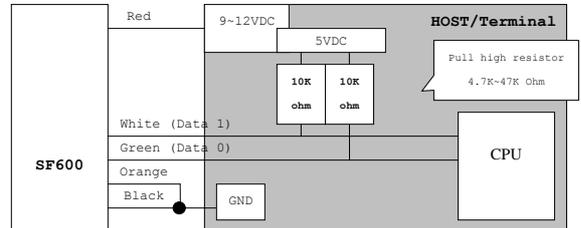
3

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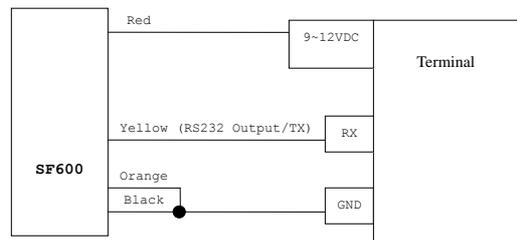
#### Connection Example for ABA-TK2:



#### Connection Example for Wiegand:



#### Connection Example for RS232:

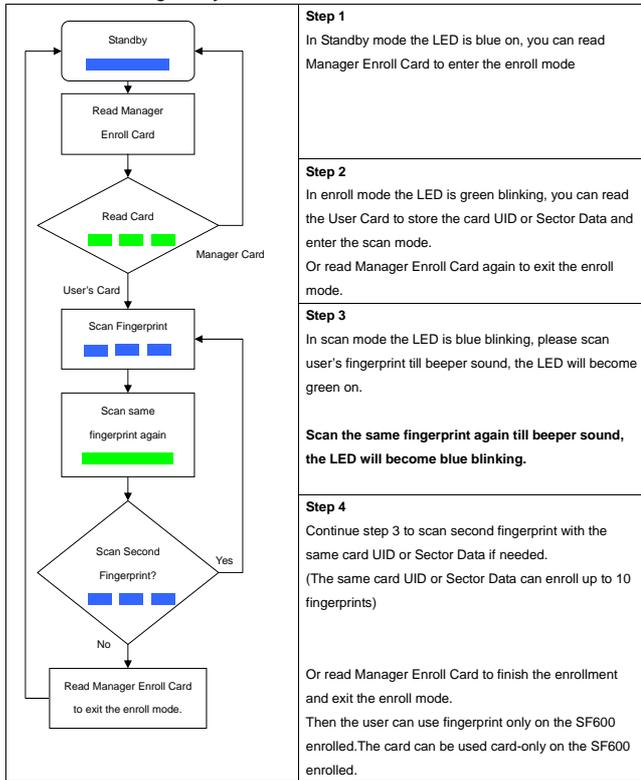


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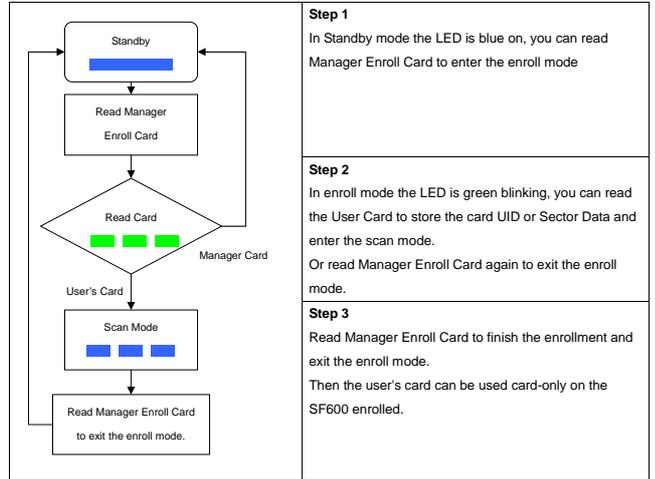
**Applying Manager Enroll Card for enrollment under different access mode**

**1.Access Mode: Finger Only**



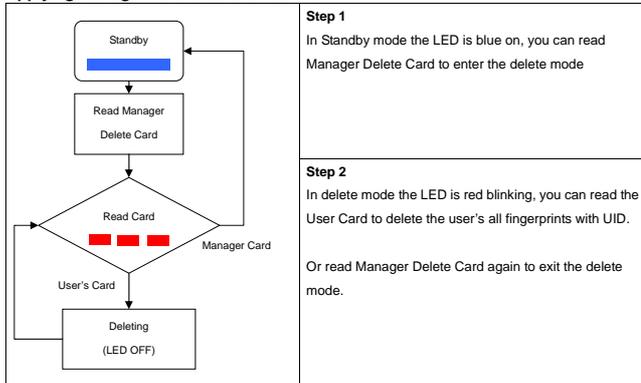
**Remark:**  
Warning! Keep the User Card and do not lose it! To delete user must use the same User Card. Once you lose User Card, you cannot delete user from reader.

**2.Access Mode: Card Only**



**Remark:**  
Warning! Keep the User Card and do not lose it! To delete user must use the same User Card. Once you lose User Card, you cannot delete user from reader.

**Applying Manager Delete Card for deletion**



**Note**

**Order Information**

Part Number	Include	Qty.	Descriptions
SF600-10	SF600 Reader	1	SmaFinger Fingerprint Reader
	KIT-CRD-600	1	Offline Programming Kit
KIT-CRD-600	Instruction Sheet (TM951185)	1	
	Manager Enroll Card	1	
	Manager Delete Card	1	
	User Card	3	