

SYRWU5 Prox-Card Maker
SYCardWrite Prox-Card
Maker Software
Operating Manual
(E5551/T5557 Series)

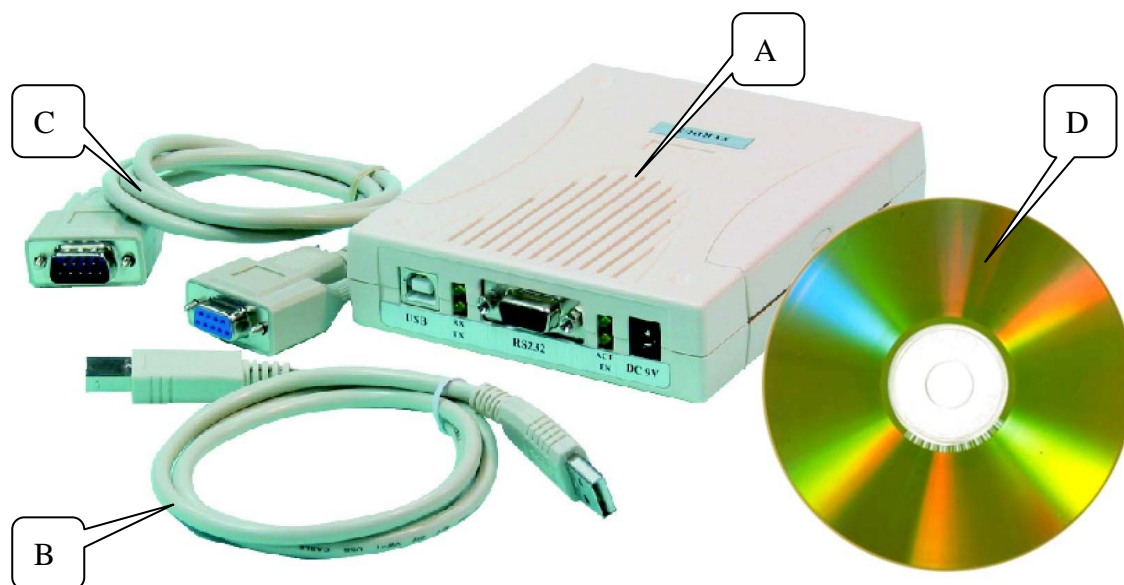
Version 1.1



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1. SYRWU5 PACKING LIST



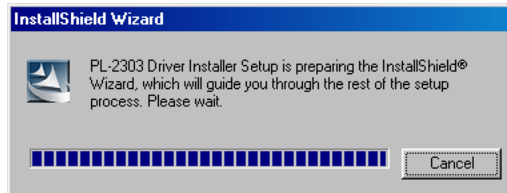
- A SYRWU5 Card writer
- B USB Cable
- C RS232 Cable
- D SYCardWrite Card writer software

2. INSTALL THE USB DRIVER

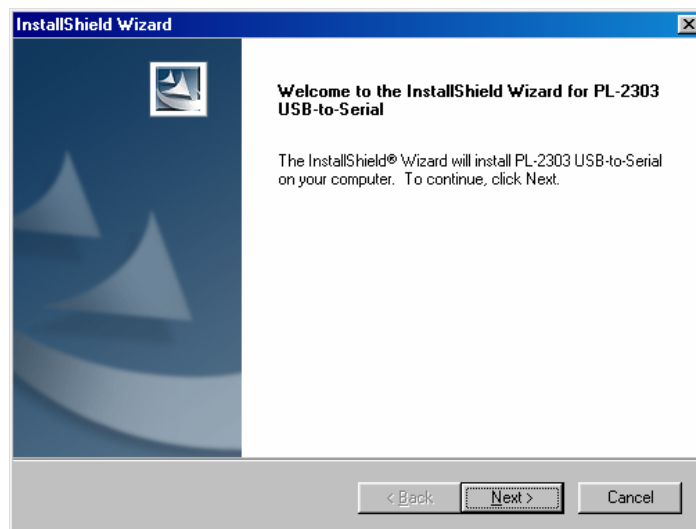
- **Step ONE**

Inset the Syris CD into CD-ROM ◦

And Execute the UsbDriverInstaller.exe ◦

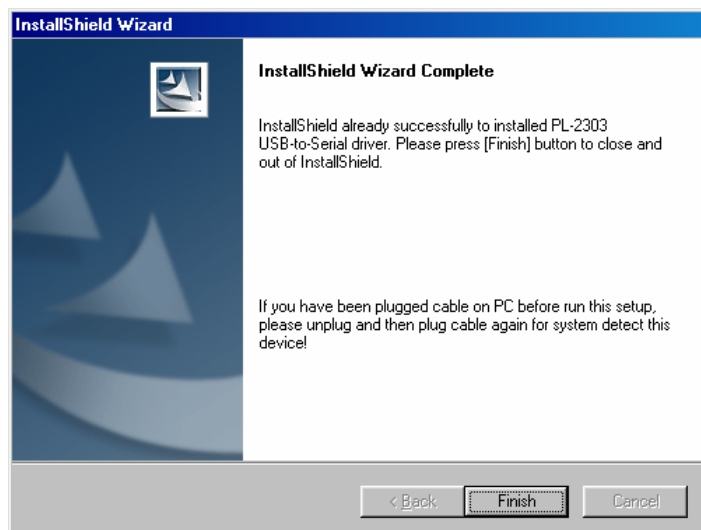


- **Step TWO**



Click “Next” to continue the installation ◦

- **Step THREE**



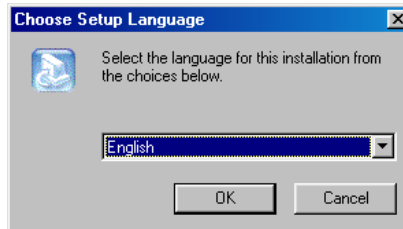
Click the “Finish” to complete the installation ◦

3. INSTALLING THE SYCARDWRITER SOFTWARE

- **Step ONE**

Insert SYRIS software cd into CD-ROM ◦

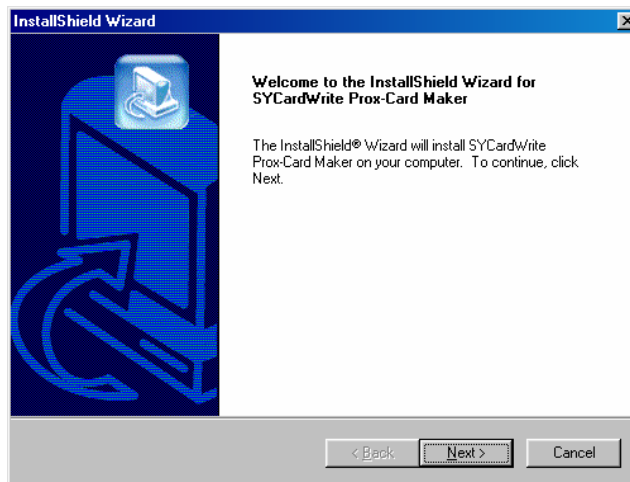
And execute the SYCardWriteSetup.exe ◦



Select the right language and click

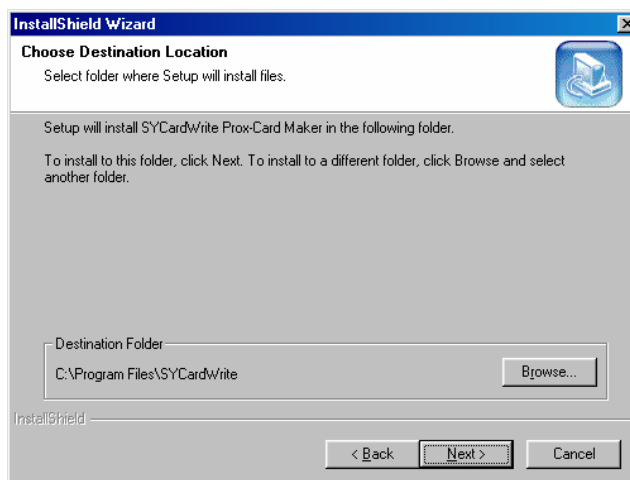
“OK” to begin the installation ◦

- **Step TWO**



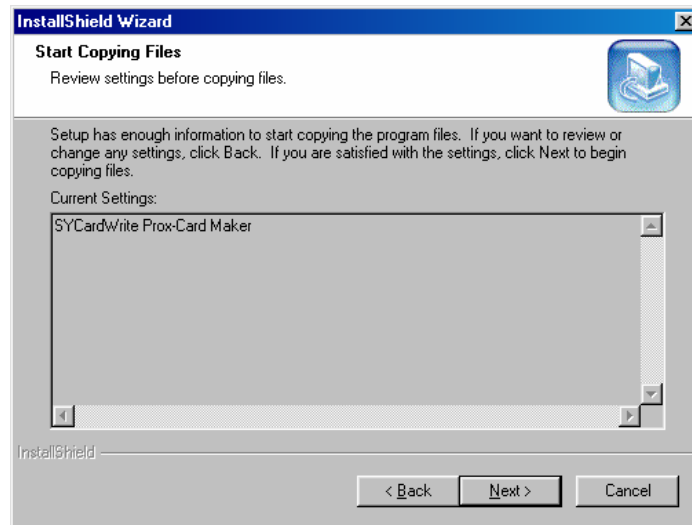
Click “Next” to continue the installation ◦ ◦

- **Step THREE**



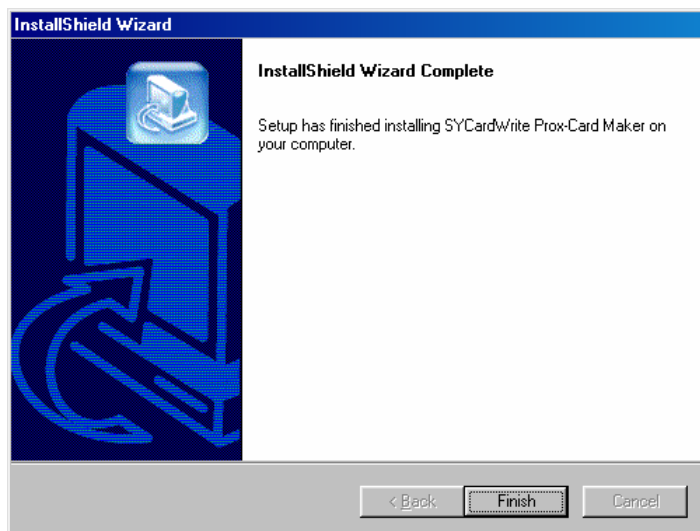
Select different directory or uses default directory (Default: C:\Program Files\SYCardWrite) ◦ Click “Next” to continue the installation ◦

- **Step FOUR**



Click “Next” to continue the installation ◦

- **Step FIVE**

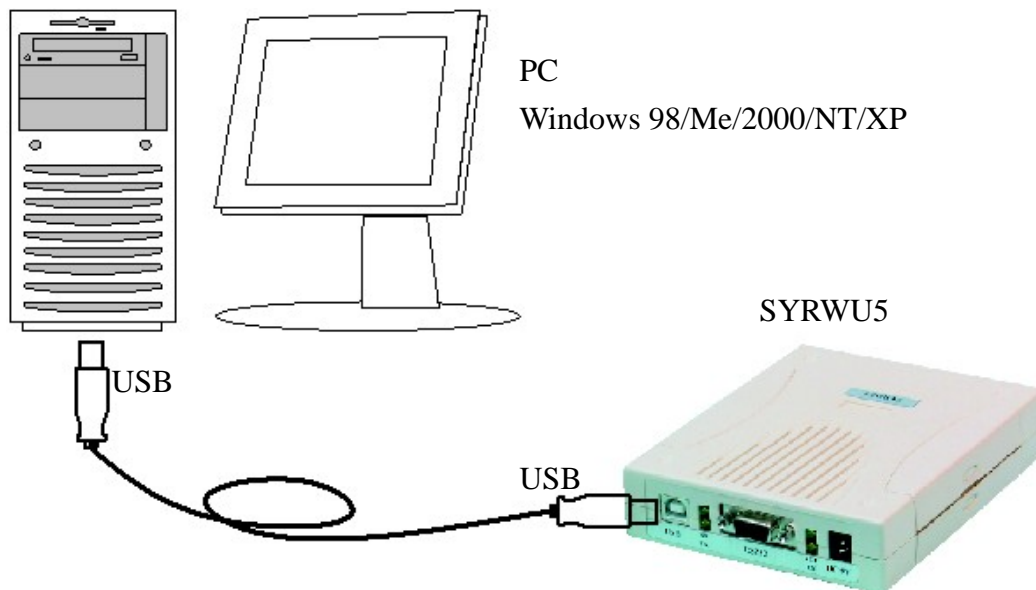


Click “Finish” to finish the installation ◦

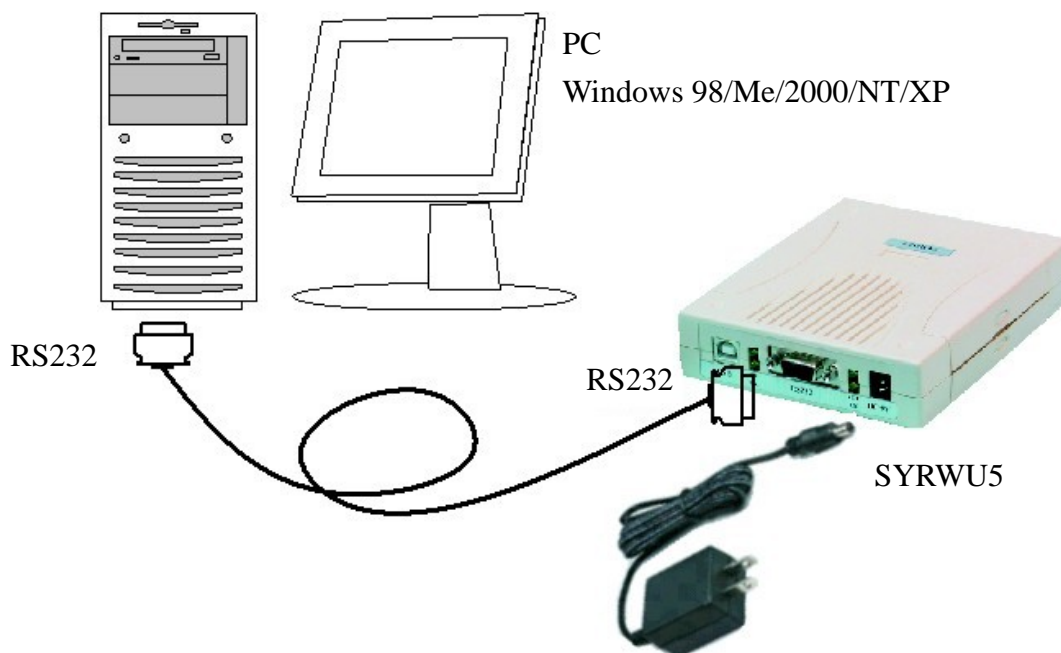
4. CONNECT SYRWU5 CARD WRITER

There are two way to connect the Card Writer to computer , one is using USB cable to connect to the computer, the other method is using RS232 cable to connect to computer (which require extra power supply) °

4.1. Using USB interface to connect to computer

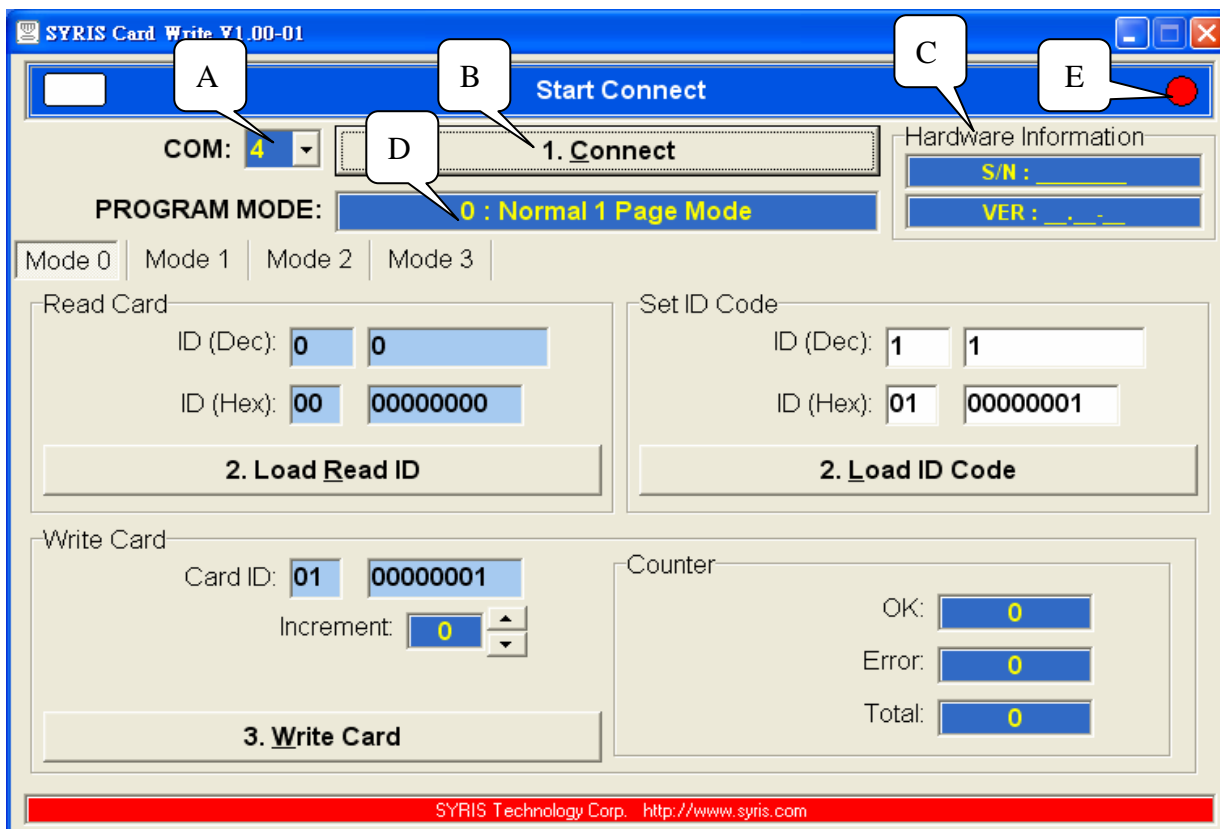


4.2. Using RS232 interface to connect to computer



(P.S. Adaptor is not included in package; can run under this voltage: DC7.5V / DC9V / DC12V)

5. OPERATE SYCARDWRITE SOFTWARE



5.1. Function explanation

- A COM port selection (COM 1.....)
- B Communication button (Connect)
- C Show hardware serial number and version number)
- D Operating MODE (MODE 0
- E Indicate the status of communication

5.2. Procedure explanation

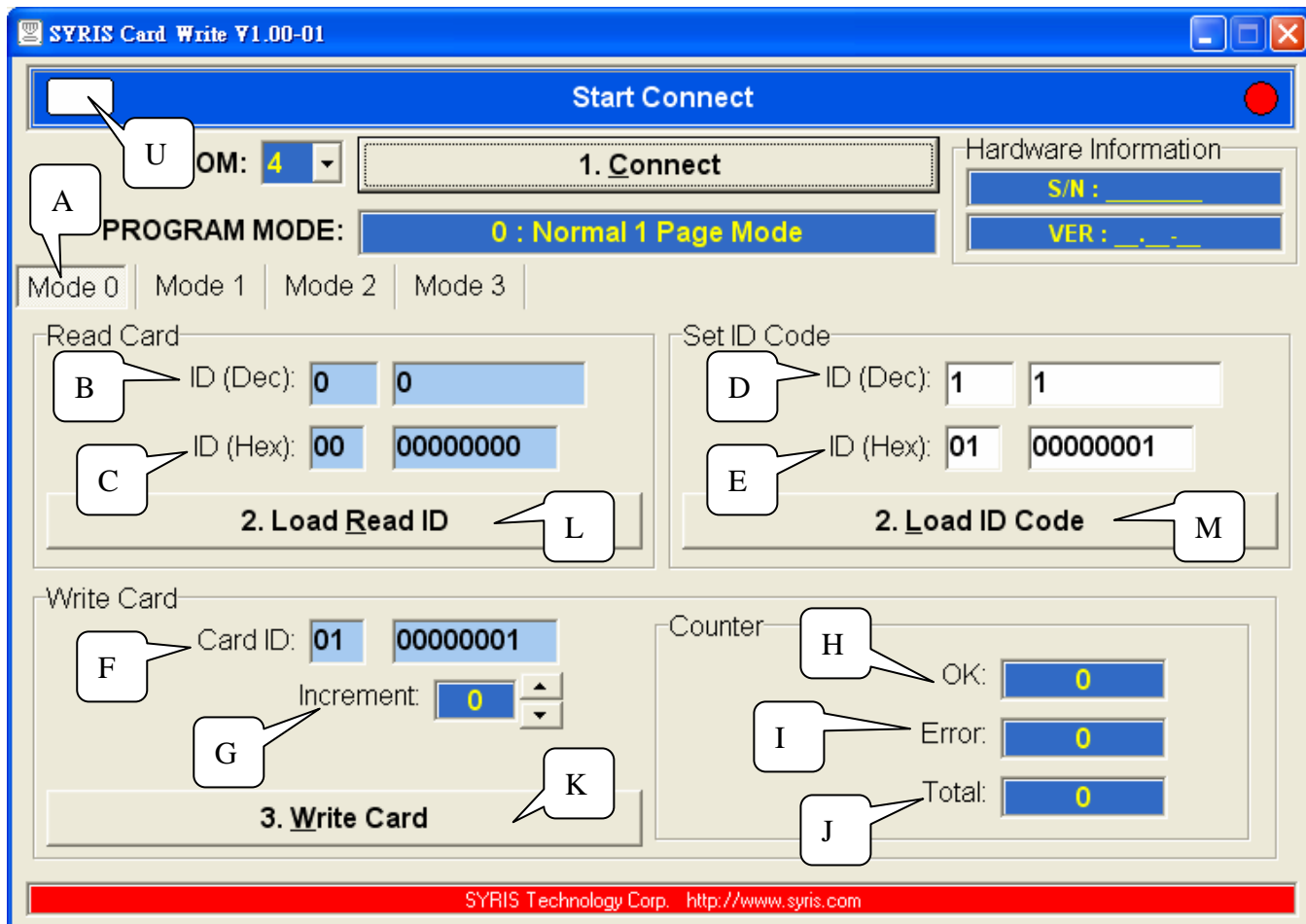
Execute software → Select COM port → Click “Connect” to start
 → Show version & SN → Show operation Mode → Show connection status
 → Ready for use

5.3. Mode explanation

MODE 0: ONE PAGE	Data Read/write (64-bit)	Stander EM Card
MODE 1: TWO PAGE-1	Data Read/write (128-bit)	SYRIS Format
MODE 2: TWO PAGE-2	Data Read/write (128-bit)	OEM Format
MODE 3: ALL PAGE	Data Read/write (256-bit)	complete format

(Only E5551 or T5557 with ASK Mode)

6. MODE 0: ONE PAGE READ & WRITE DATA



6.1. Operation explanation (Mode 0)

- A Mode select: Mode 0
- B Show card ID and Data in Decimal number
- C Show card ID and Data in Hexdecimal number
- D Write in the Decimal format data
- E Write in the Hexdecimal format data
- F Show the data in the Card after written the data
- G The increment of continually written cards
- H The counter for success written data add-up
- I The counter for error written data add-up
- J The counter for total written card add-up
- L Send the data to “Write Card” mode (Load Read ID)
- M Send the data to “Write Card” mode (Load Read ID)
- K Write the data(Write Card)
- U Read status

6.2 Procedure

6.2.1 Read and Write a Card (Copy)

Present the card to the writer —————> Writer will read the card automatically —————>
Show the information in “B” & “C”
—————> Click “Load Read ID” button “L” —————> Show the information in “F”
—————> Put the new card —————> Click “K “ to write the card
—————> Show status summary in “H”

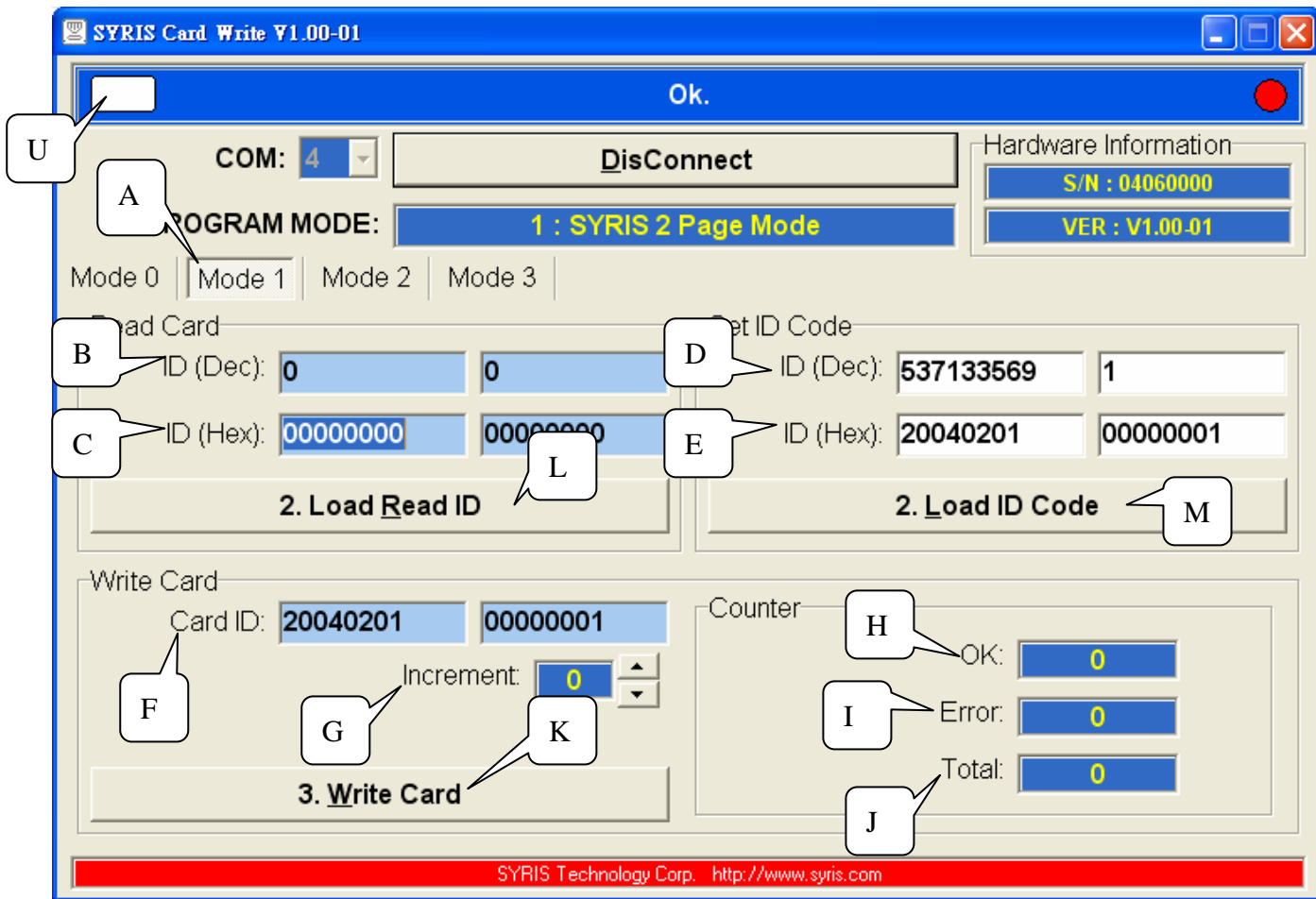
6.2.2 Create a Card

Fill in the “D” & ”E” —————>Click “M” to load the data —————>Show the information in
“F” —————> Put the new card —————> Click “K “ to write the card
—————> Show status summary in “H”

6.2.3 Continuesly write cards

Put the new card —————> Select the increment in “G” —————> Click “K “ to write the card
—————> Show status summary in “H” —————> Put the new card

7. MODE 1: TWO PAGE-1 READ & WRITE DATA



7.1 Operation explanation (Mode 1)

- A Mode select: Mode 1
- B Show card ID and Data in Decimal number
- C Show card ID and Data in Hexdecimal number
- D Write in the Decimal format data
- E Write in the Hexdecimal format data
- F Show the data in the Card after written the data
- G The increment of continually written cards
- H The counter for success written data add-up
- I The counter for error written data add-up
- J The counter for total written card add-up
- L Send the data to “Write Card” mode (Load Read ID)
- M Send the data to “Write Card” mode (Load Read ID)
- K Write the data(Write Card)
- U Read status

7.2 Procedure

7.2.1 Read and Write a Card (Copy)

Present the card to the writer → Writer will read the card automatically →
Show the information in “B” & “C”
→ Click “Load Read ID” button “L” → Show the information in “F”
→ Put the new card → Click “K “ to write the card
→ Show status summary in “H”

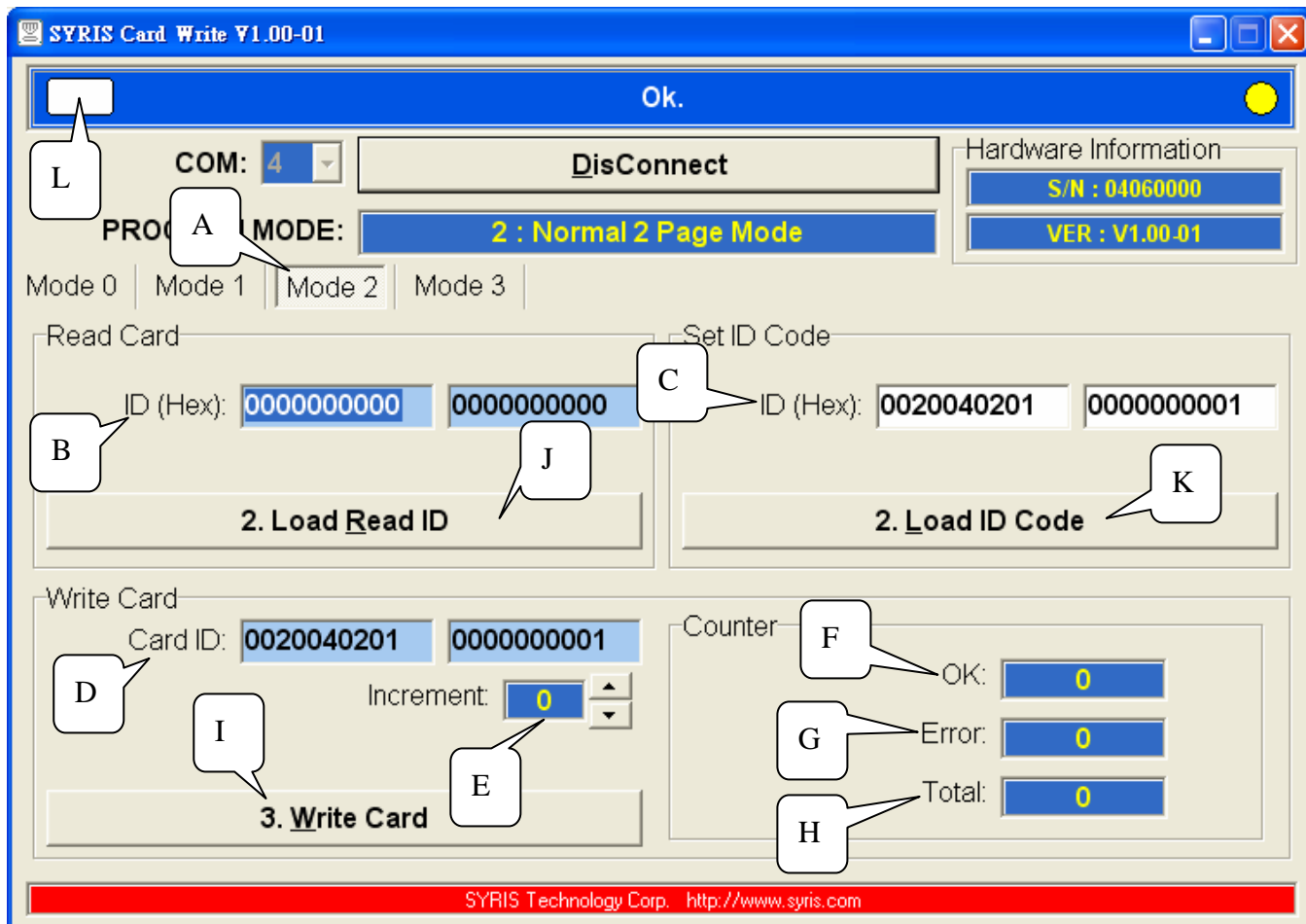
7.2.2 Create a Card

Fill in the “D” & ”E” → Click “M” to load the data → Show the information in
“F” → Put the new card → Click “K “ to write the card
→ Show status summary in “H”

7.2.3 Continuesly write cards

Put the new card → Select the increment in “G” → Click “K “ to write the card
→ Show status summary in “H” → Put the new card

8. MODE 2: TWO PAGE-2 READ & WRITE DATA



8.1 Operation explanation (Mode 2)

- A Mode select: Mode 2
- B Show card ID and Data in Decimal number
- C Show card ID and Data in Hexdecimal number
- D Write in the Decimal format data
- E Write in the Hexdecimal format data
- F Show the data in the Card after written the data
- G The increment of continually written cards
- H The counter for success written data add-up
- I The counter for error written data add-up
- J The counter for total written card add-up
- L Send the data to "Write Card" mode (Load Read ID)
- M Send the data to "Write Card" mode (Load Read ID)
- K Write the data(Write Card)
- U Read status

8.2 Procedure

8.2.1 Read and Write a Card (Copy)

Present the card to the writer —————> Writer will read the card automatically —————>
Show the information in “B” & “C”
—————> Click “Load Read ID” button “L” —————> Show the information in “F”
—————> Put the new card —————> Click “K “ to write the card
—————> Show status summary in “H”

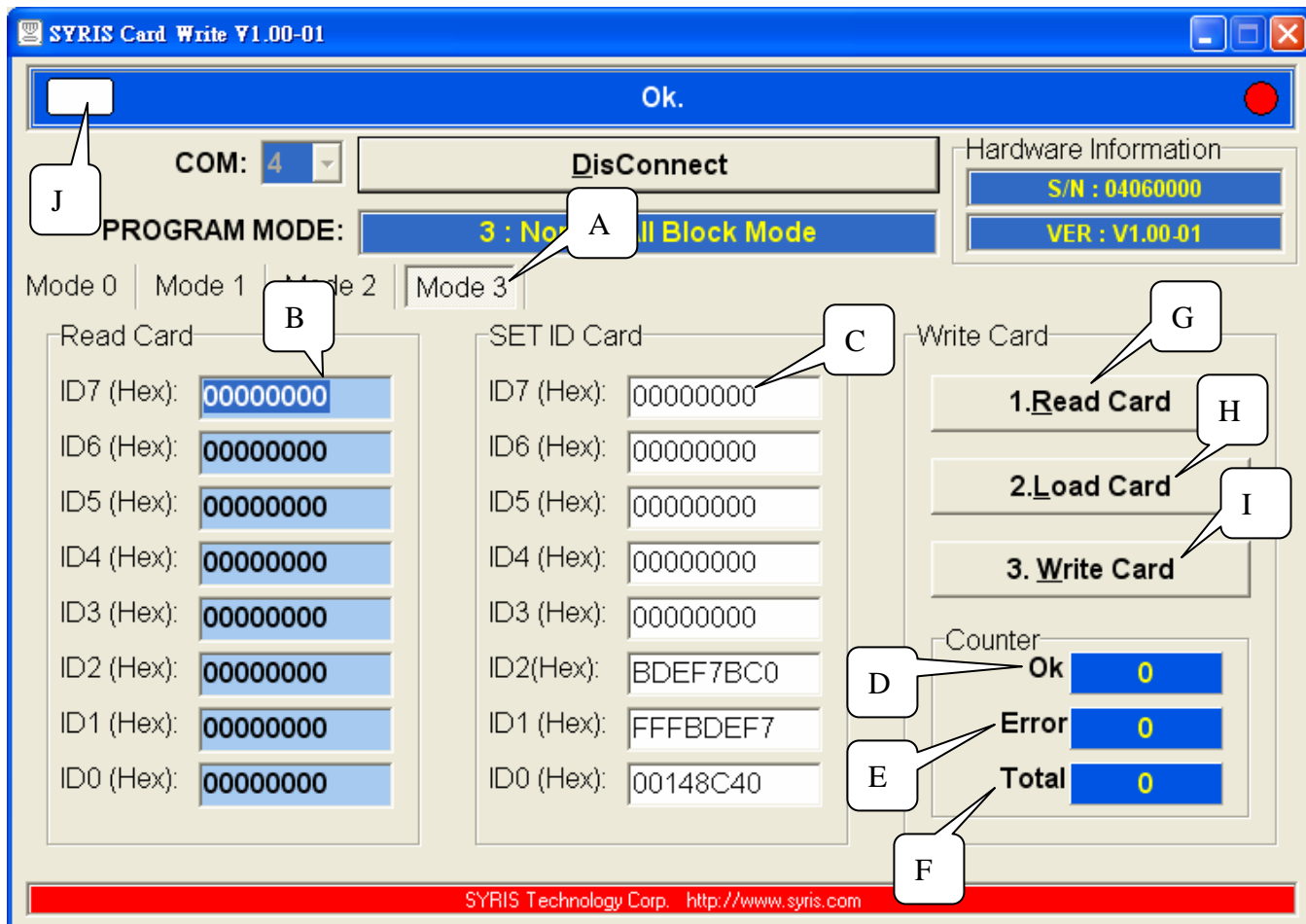
8.2.2 Create a Card

Fill in the “D” & ”E” —————>Click “M” to load the data —————>Show the information in
“F” —————> Put the new card —————> Click “K “ to write the card
—————> Show status summary in “H”

8.2.3 Continuesly write cards

Put the new card —————> Select the increment in “G”—————> Click “K “ to write the card
—————> Show status summary in “H” —————> Put the new card

9. MODE 3: ALL PAGE READ & WRITE DATA



9.1 Operation explanation (Mode 3)

- A Select Mode 3
- B Show card ID and Data in Decimal number (ID0~ID7 Hex)
- C Insert the new codes (ID0~ID7 Hex)
- D The counter for success written data add-up (OK)
- E The counter for error written data add-up (Error)
- F The counter for total written card add-up (Total)
- G Read Card information (Read Card)
- H Upload the data from column “C” and write them into a Card (Load Code)
- I Write a Card (Write Card)
- J Reading status indicator

9.2 Procedure

9.2.1 Read and Write a Card (Copy)

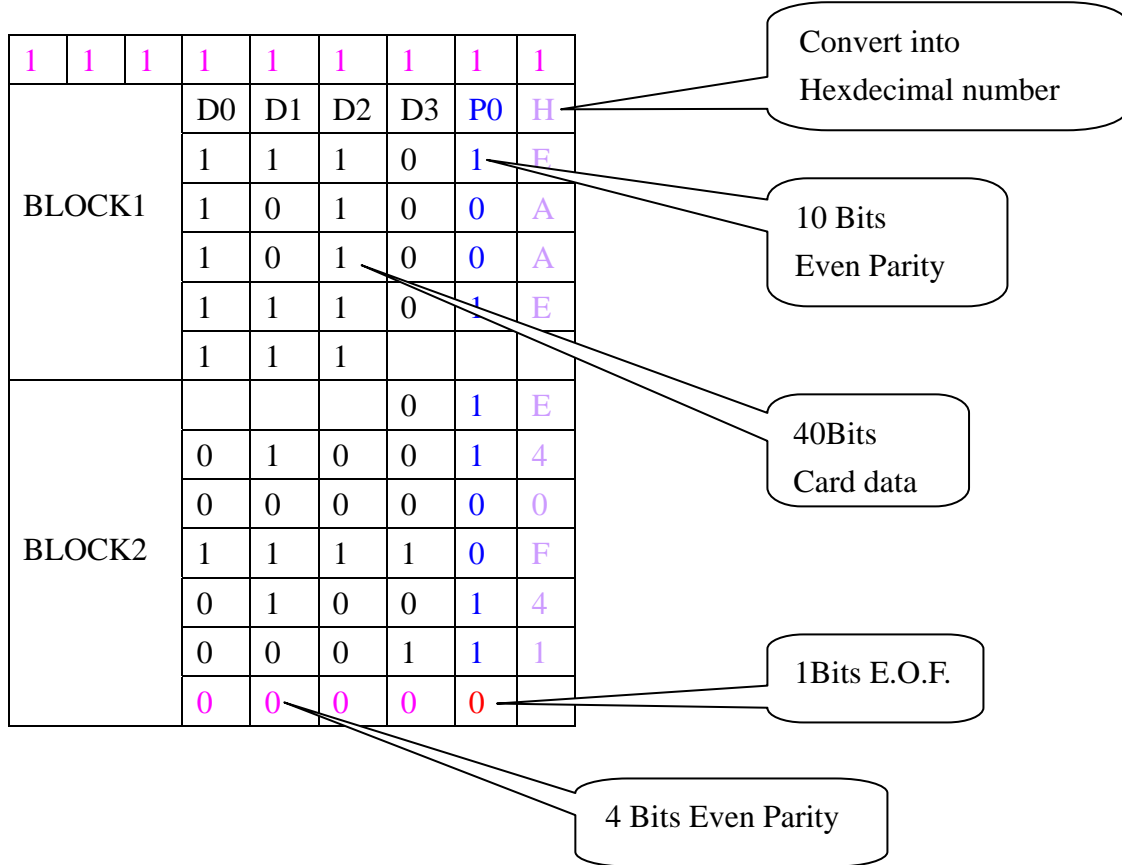
Present the card to the writer → Click “G” to read card data → show data in “B”
→ Click “H” to Load the information → Show the information which ready to
write into a Card
→ Put the new Card → Click “I” to write a Card
→ Show the message in “D”

9.2.2 Create a new Card:

Fill up the column in “C” → Put a new card → Click “I” to write a Card
→ Show the message in “D”

APPENDIX

Appendix A: MODE 0: 64 BITS DATA FROMAT



Appendix B: MODE 1: 128 Bits data format

1	1	1	1	1	1	1	1	1
BLOCK1	D0	D1	D2	D3	P0	H		
	1	1	1	0	1	E		
	1	0	1	0	0	A		
	1	0	1	0	0	A		
	1	1	1	0	1	E		
	1	1	1					
BLOCK2				0	1	E		Even Parity
	0	1	0	0	1	4		
	0	0	0	0	0	0		
	1	1	1	1	0	F		
	0	1	0	0	1	4		
	0	0	0	1	1	1		
	0	0	0	0	0			

1	1	1	1	1	1	1	1	
BLOCK3	D0	D1	D2	D3	P0	H		
	1	1	1	0	1	E		
	1	0	1	0	0	A		
	1	0	1	0	0	A		Even Parity
	1	1	1	0	1	E		
	1	1	1					
BLOCK4				0	1	E		
	0	1	0	0	1	4		
	0	0	0	0	0	0		
	1	1	1	1	0	F		
	0	1	0	0	1	4		
	0	0	0	1	1	1		
	0	0	0	0	0			

Appendix C: MODE 2: 128 Bits data format

1	1	1	1	1	1	1	1	1
BLOCK1	D0	D1	D2	D3	P0	H		
	1	1	1	0	1	E		
	1	0	1	0	0	A		
	1	0	1	0	0	A		
	1	1	1	0	1	E		
	1	1	1					
BLOCK2				0	1	E	Even Parity	
	0	1	0	0	1	4		
	0	0	0	0	0	0		
	1	1	1	1	0	F		
	0	1	0	0	1	4		
	0	0	0	1	1	1		
	0	0	0	0	0			

1	1	1	1	1	1	1	1	
BLOCK3	D0	D1	D2	D3	P0	H		
	1	1	1	0	1	E		
	1	0	1	0	0	A		
	1	0	1	0	1	A	Odd Parity	
	1	1	1	0	1	E		
	1	1	1					
BLOCK4				0	1	E	Odd Parity	
	0	1	0	0	1	4		
	0	0	0	0	1	0		
	1	1	1	1	0	F		
	0	1	0	0	1	4		
	0	0	0	1	1	1		
	0	0	0	0	0			

Appendix D: MODE 3: 256 Bits data format

BLOCK 0	D0	D1	D2	D3	H
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	1	1
	0	1	0	0	4
	1	0	0	0	8
	1	1	0	0	C
	0	1	0	0	4
	0	0	1	0	2

Hexadecimal

32Bits Control Code

BLOCK 1 ~ BLOCK 7	D0	D1	D2	D3	H
	1	1	1	0	E
	1	0	1	1	B
	1	0	1	0	A
	0	0	0	1	1
	0	0	0	1	2
	1	0	1	1	B
	1	0	1	0	A
	0	1	0	0	4

32Bits Data Code