

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

Version 1.1

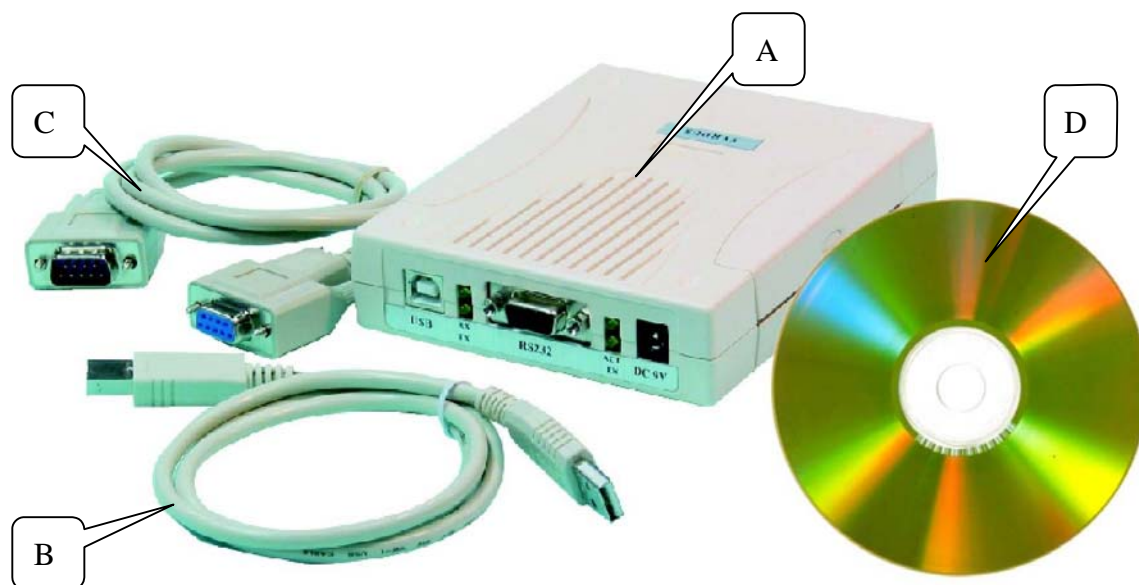


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1. SYRWU5 PACKING LIST



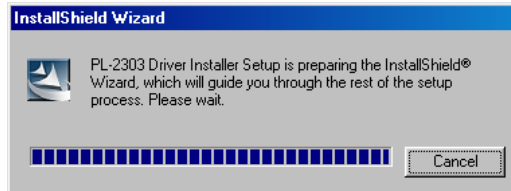
- A SYRWU5 Card writer
- B USB Cable
- C RS232 Cable
- D SYCardWrite Card writer software

2. INSTALL THE USB DRIVER

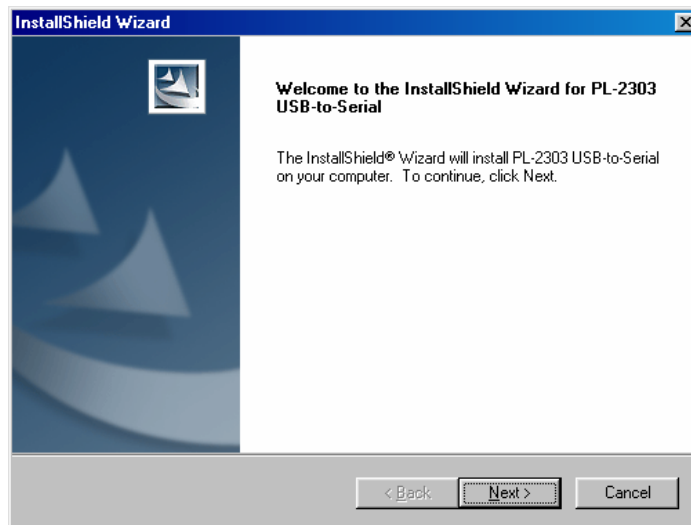
⌘ Step ONE

Inset the Syris CD into CD-ROM ◦

And Execute the UsbDriverInstaller.exe◦

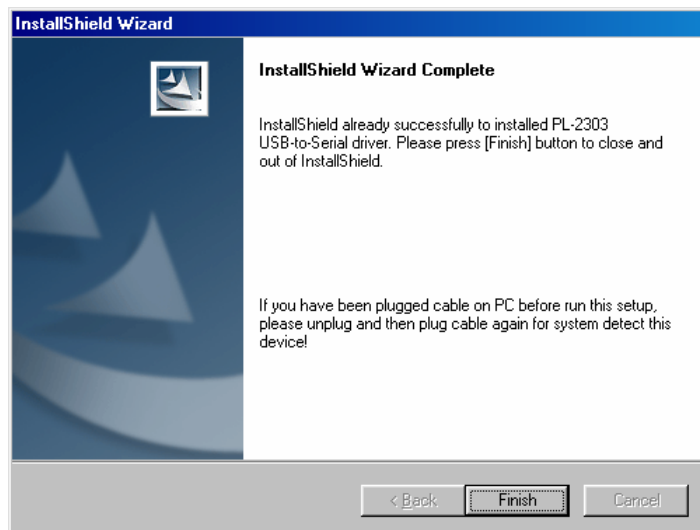


⌘ Step TWO



Click “Next” to continue the installation.◦

⌘ Step THREE

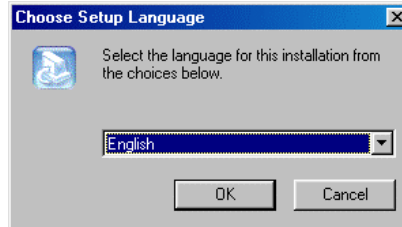


Click the “Finish” to complete the installation.◦

3. INSTALLING THE SYCARDWRITER SOFTWARE

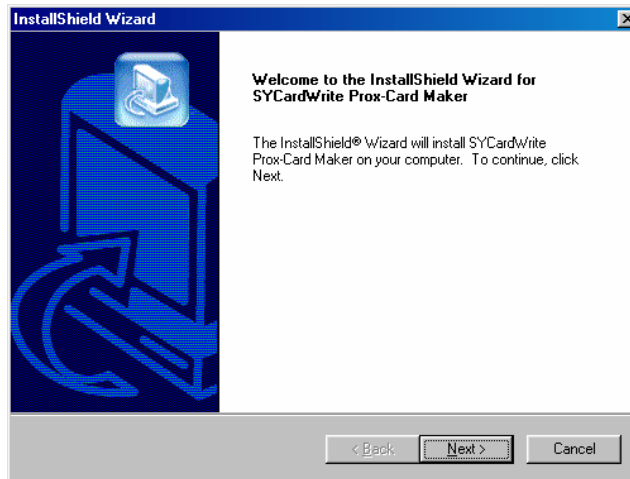
⌘ Step ONE

Insert SYRIS software cd into CD-ROM.
And execute the SYCardWriteSetup.exe.



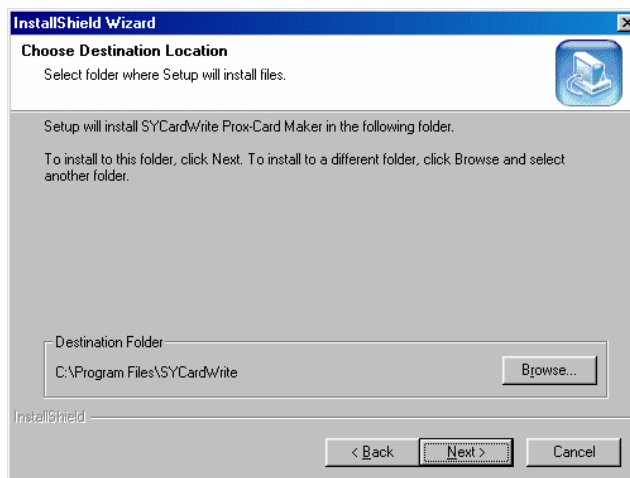
Select the right language and click
“OK” to begin the installation.

⌘ Step TWO



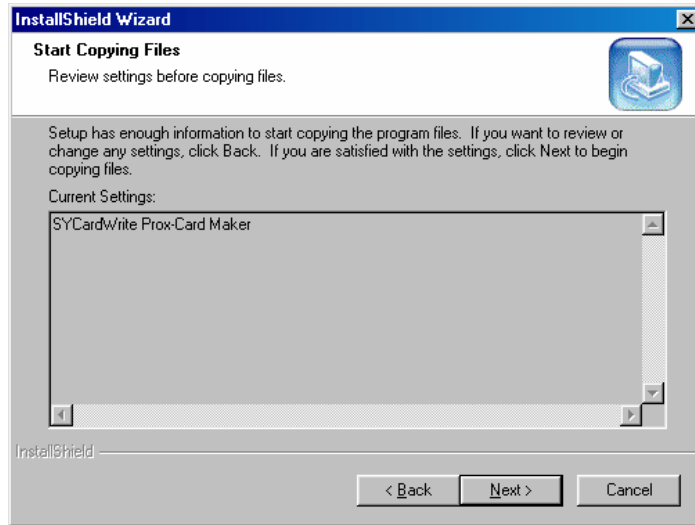
Click “Next” to continue the installation. ◦

⌘ Step THREE



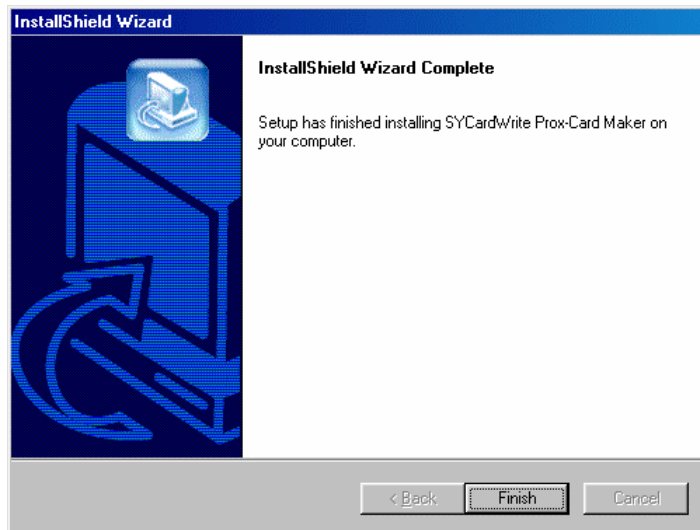
Select different directory or uses default directory (Default: C:\Program Files\SYCardWrite). Click “Next” to continue the installation.

⌘ **Step FOUR**



Click “Next” to continue the installation.

⌘ **Step FIVE**

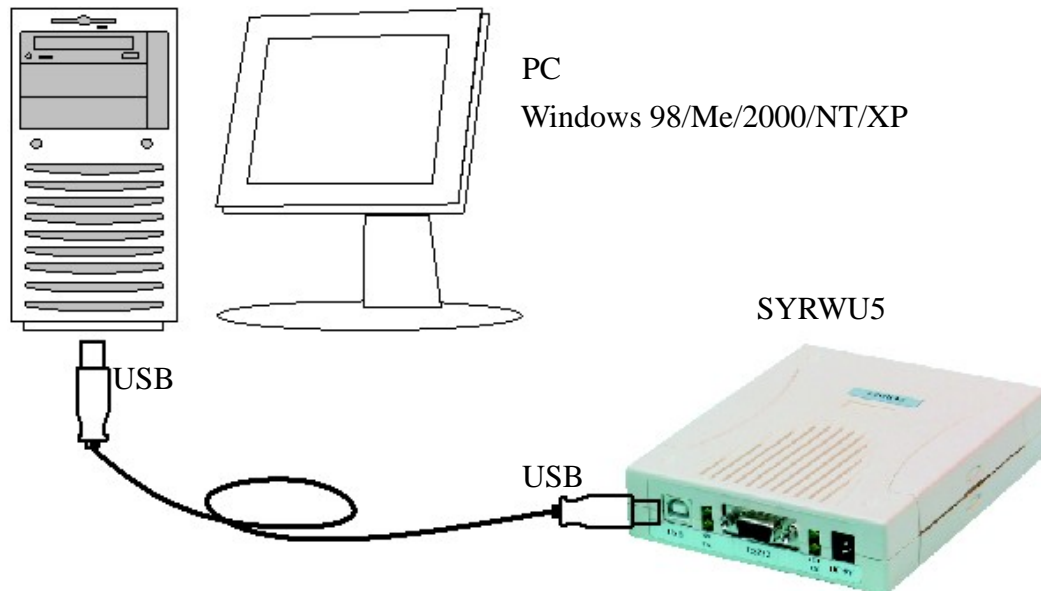


Click “Finish” to finish the installation.

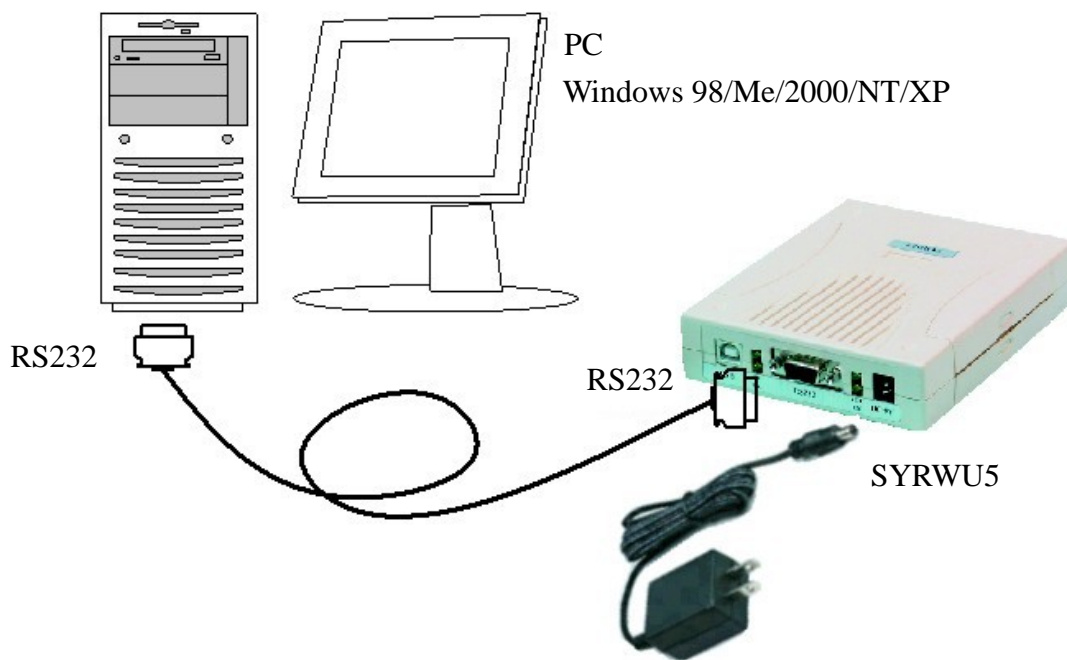
4. CONNECT SYRWU5 CARD WRITER

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

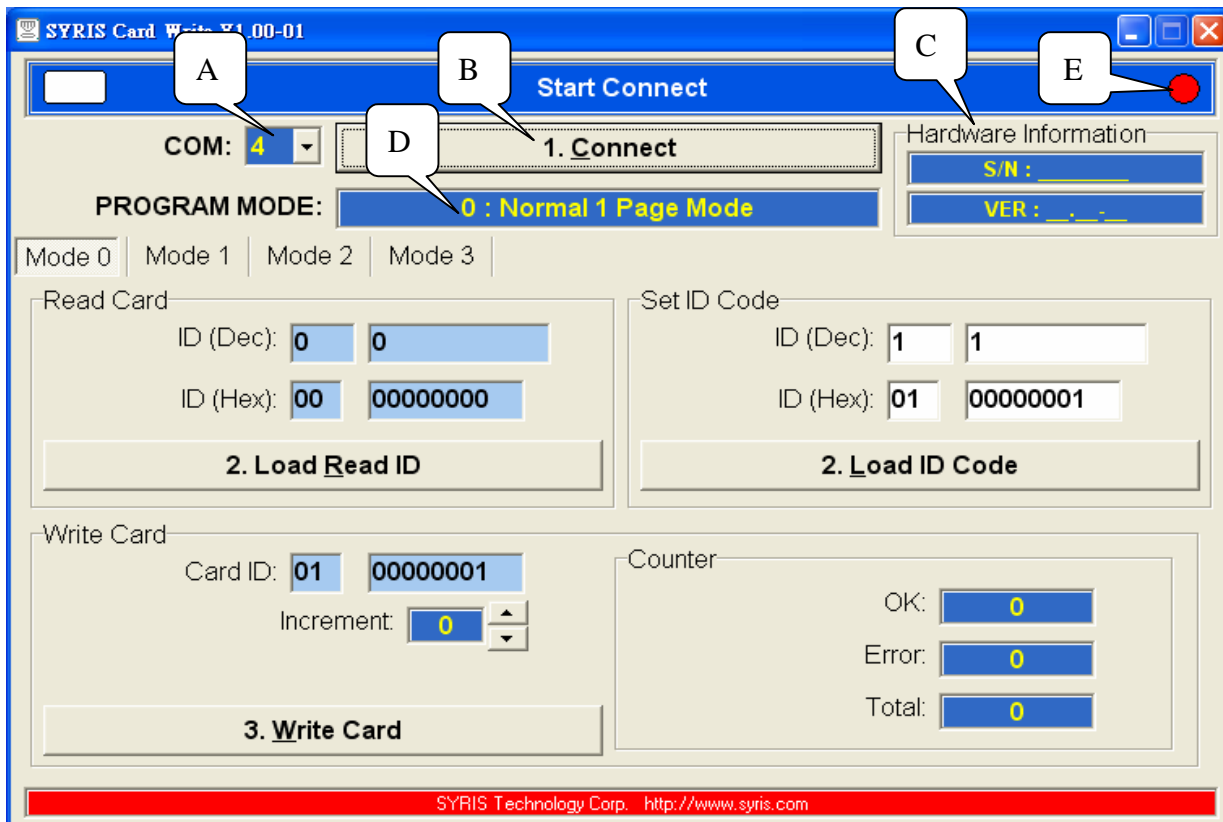


4.2. Using RS232 interface to connect to computer



(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

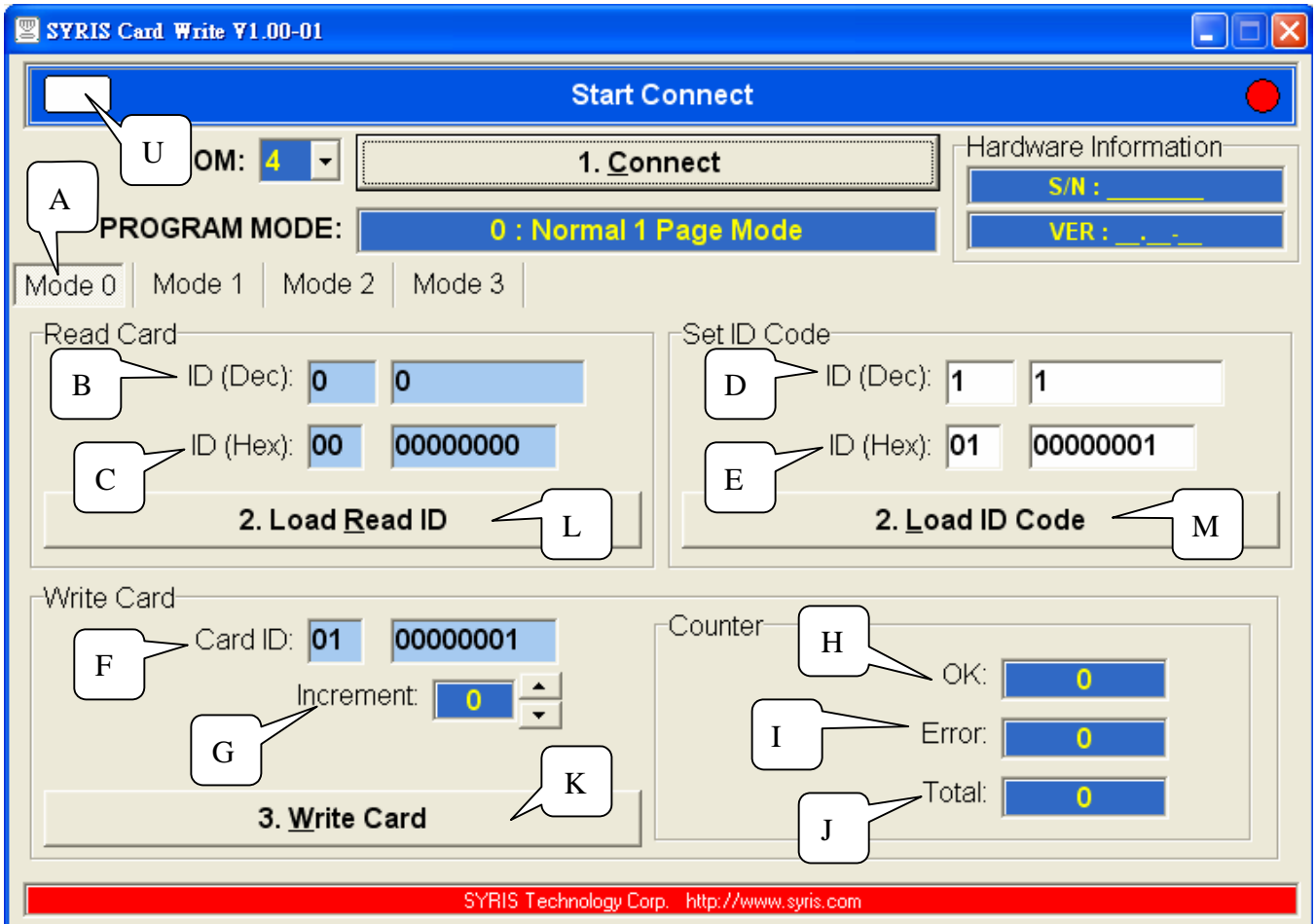
Execute software → Select COM port → Click “Connect” to start
 → Show version & SN → Show operation Mode → Show connection status
 → Ready for use

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”

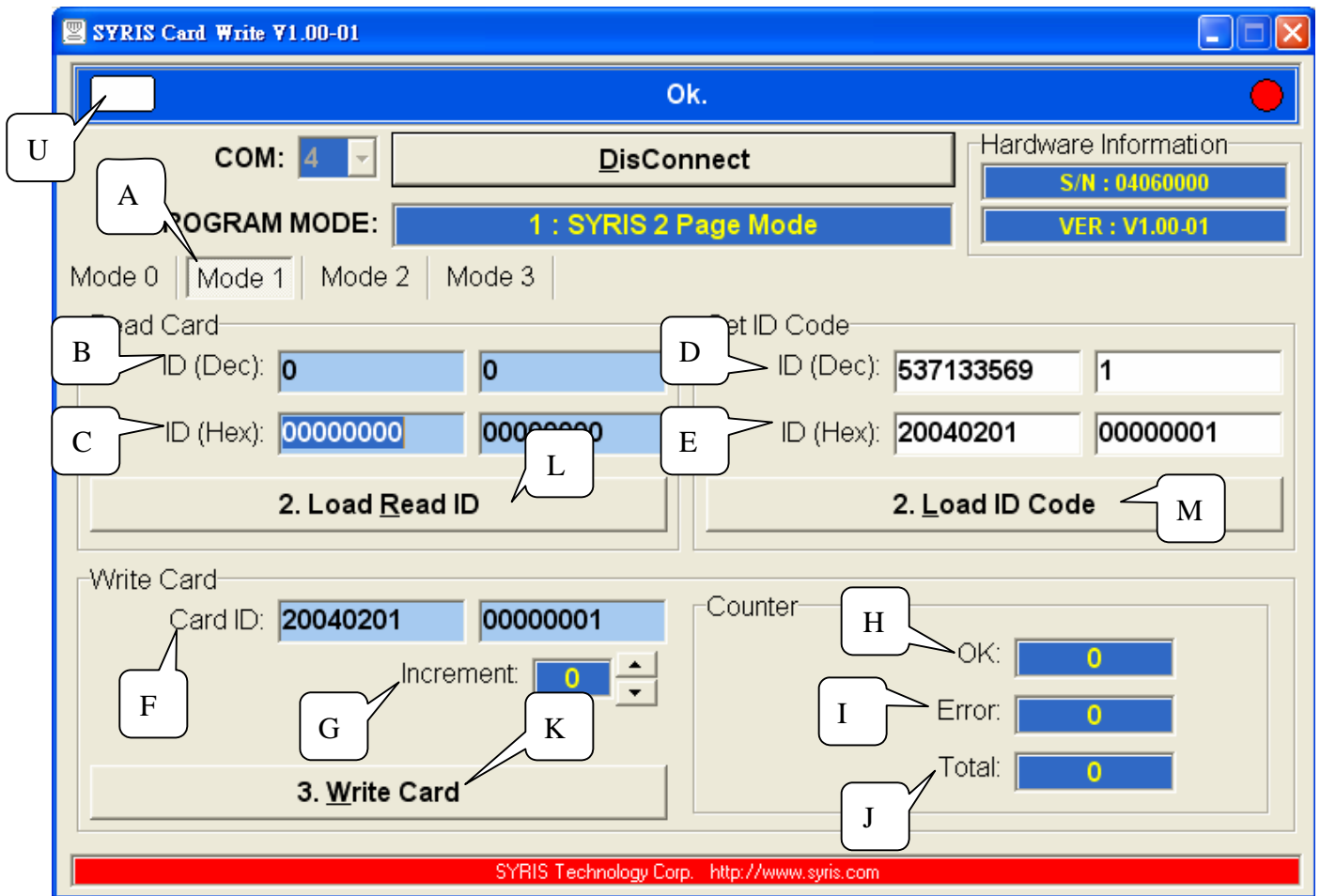
6.2.2 Create a Card

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”

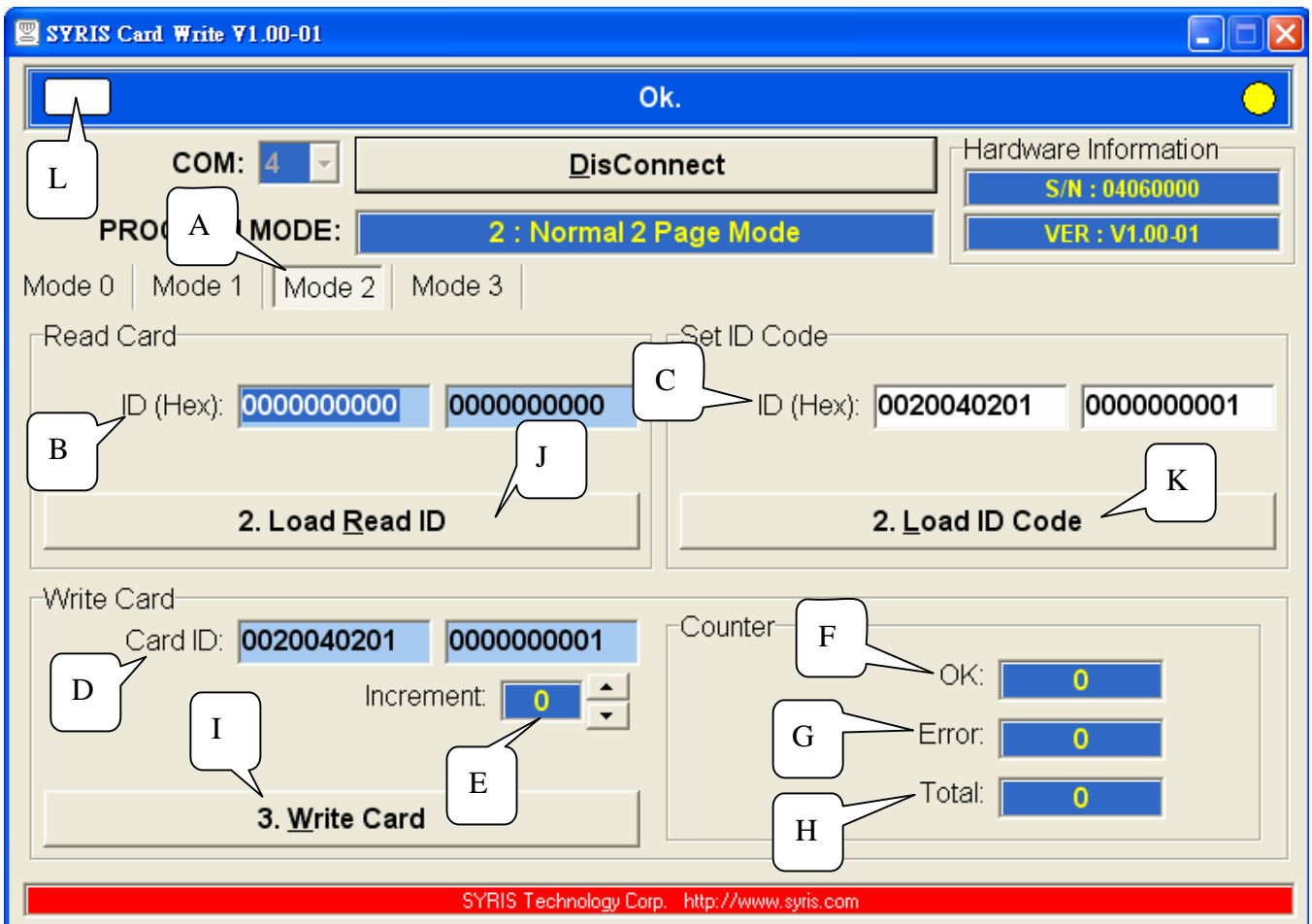
7.2.2 Create a Card

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”

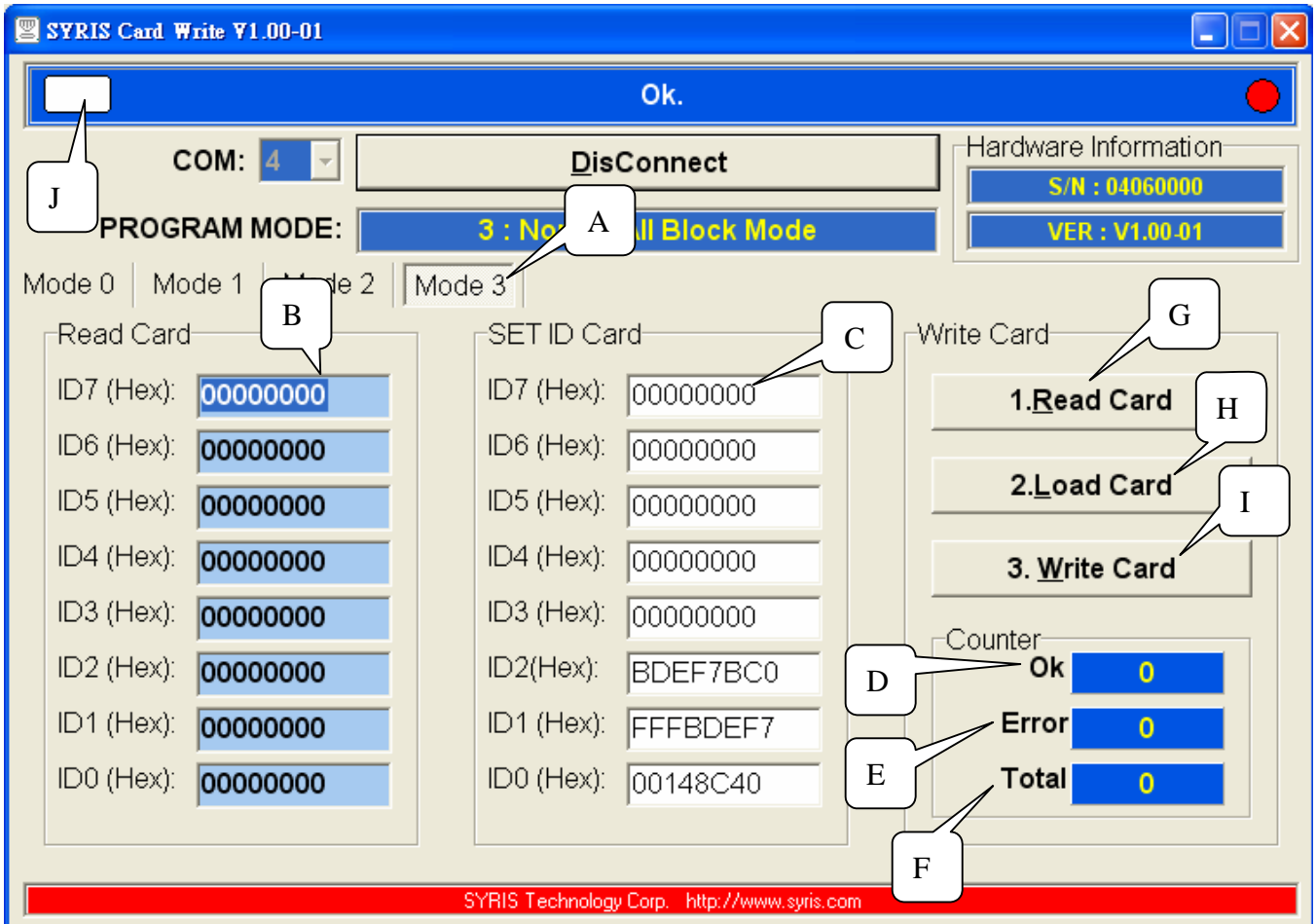
8.2.2 Create a Card

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)

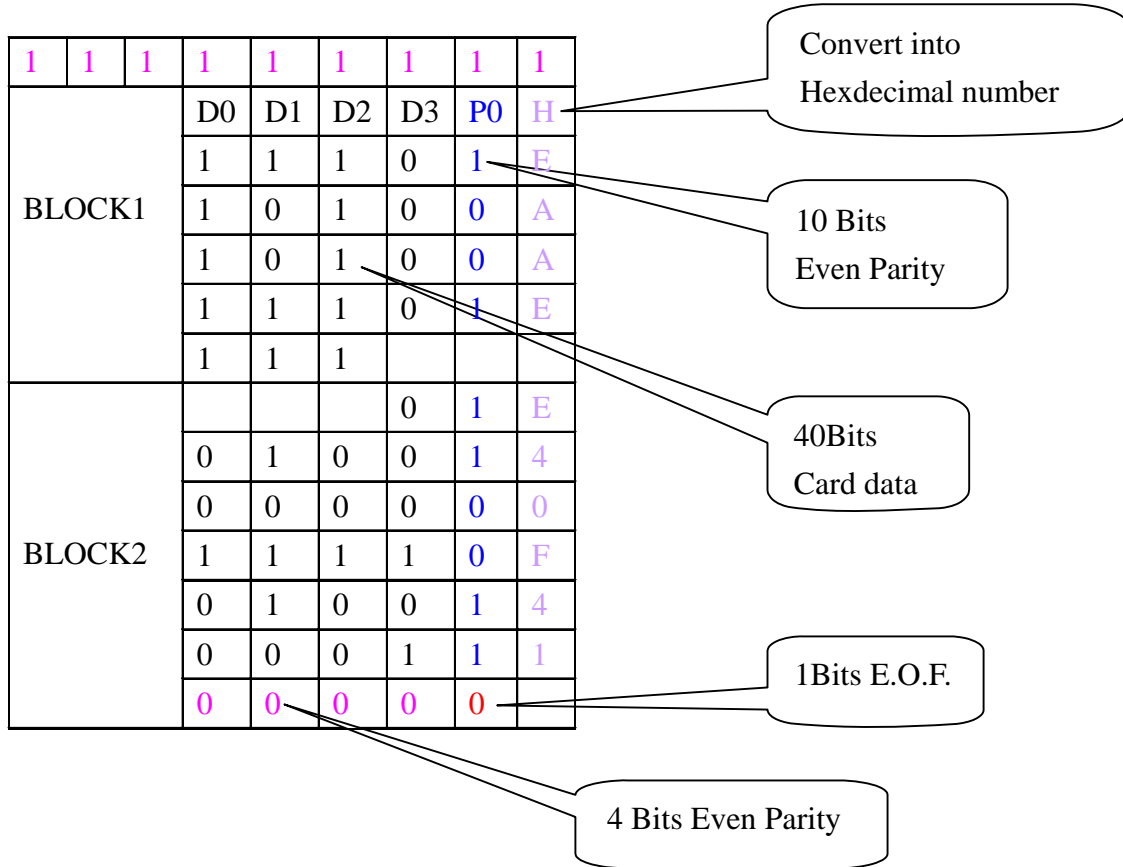
Present the card to the writer → Click “G” to read card data → show data in “B”
→ Click “H” to Load the information → Show the information which ready to
write into a Card
→ Put the new Card → Click “I” to write a Card
→ Show the message in “D”

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		
	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			

Even Parity

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		
	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			

Even Parity

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		
	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			

Even Parity

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		
	1	1	1	0	1	E		
	1	1	1					
BLOCK4				0	1	E		
	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			

Odd Parity

Odd Parity

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