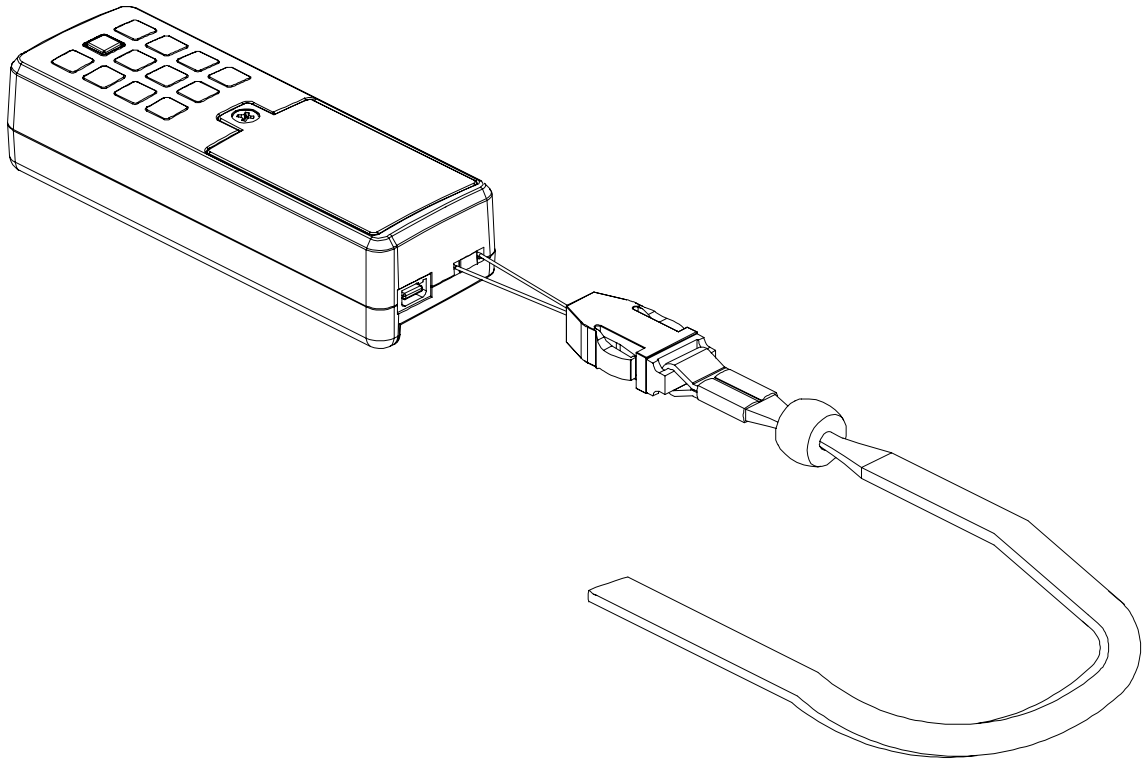
Mini400 Series



Portable MSR Reader with Rechargeable Battery User's Manual

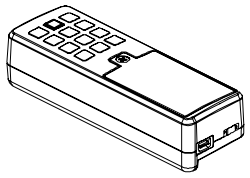
Contents

FCC COMPLIANCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communication.
Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Information

Mini400 Series Magnetic Swipe Reader

MACHINE TYPE	FUNCTION
 **Mini400** **Track 1 & 2 & 3**	MC 123 · Li-Polymer Rechargeable · Muti-Charge · F - MEM 512 KB · RS-232 · 2048 REC QUEUE · LED STATUS · RTC · AUTO OFF · GNET VER 1.2 · FFM

Read the instructions on your device before installing batteries

1. Insert batteries into your device properly, with the (+) and (-) terminals aligned correctly.
2. Always fully charge your batteries before use.
3. When you charge the batteries for the first time, or if the batteries have been stored for a long time, it normally takes about 3 charge and discharge cycles for the batteries to regain full capacity.
4. It is normal for batteries to become hot during charging and they will gradually cool down to room temperature after fully charged.
5. Store the batteries in a cool and dry place.
6. Remove batteries from the electrical device if the device is not going to be used for a long time.
7. Keep battery contact surfaces and battery compartment contacts clean by rubbing them with a clean pencil eraser or a rough cloth each time you replace batteries.
8. If the performance of the batteries decrease substantially, it is time to replace the batteries.
9. Keep batteries away from children. If swallowed, contact a physician at once.

Lithium Ion Polymer Battery Handling Guideline

Danger !

It may cause the battery swelling, leaking, explosion or ignition, if you do not reading following:

1. Do not store battery in a manner that allows terminals to short.
2. The cell batteries are requested to be stored within a proper temperature range specified in this specifications.
3. Use only approved charger (Mini400).Improperly charging a cell or battery may cause the cell or battery to flame or damage.
4. Prohibit reversing cell polarity within a battery assembly. The battery must be connected correctly.
5. Do not heat or dispose the battery into fire, water or other liquids.
6. Do not short-circuit a battery. Extended short-circuiting creates high temperature in the cell and at the terminals. Physical contact to high temperature can cause skin burns. In addition, extended short-circuit may cause the cell or battery to flame.
7. Do not bend, fold or fall the battery or part of the battery. It may cause the battery be damaged and result in the battery swelling, leaking, explosion or ignition.
8. Do not open or manipulate the folded cell edge.
9. Do not bend or fold the sealing edge. And do not tear off the sealing film.
10. Do not drop or cause unnecessary shocks to the battery.
11. No sharp edge components shall be inside the battery housing. The sharp edge may destroy the cell packaging.
12. Do not carry loose batteries in a pocket or purse with metal objects like coins, paper clips and hair pins, etc. This will short circuit the battery, generating high heat.
13. Do not directly heat cell body. It may cause the battery be damaged by heat above 90℃.
14. Never disassemble a battery.
15. Never solder a battery.

Warning !

It may cause the battery swelling, leaking, explosion or ignition, if you do not reading following:

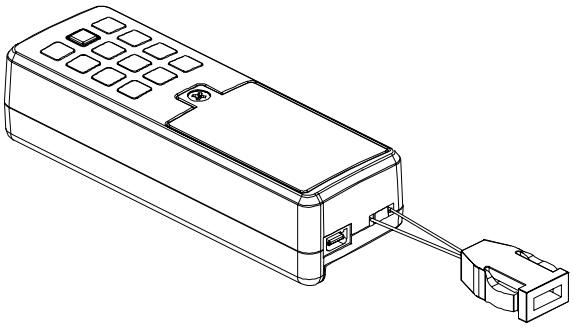
1. Do not put the battery into microware, washing machine or drying machine.
2. Do not put the battery onto oven.
3. Do not mixed batteries and types. Avoid to use old and new cells or cells of different sizes,different chemistry or types in the same battery assembly.
4. Do not use a damaged battery.
5. Keep away batteries from children.
6. In case of contacting the materials from a damaged or ruptured cell or battery:
   Eye contact: Washing immediately with plenty of water and soap or for at least 15 minutes. Get medical attention.
   Skin contact: Washing immediately with water and soap.
   Inhalation of Vented Gas: Remove to fresh air. Get medical attention.
   Ingestion : Get medical attention immediately.

Caution !

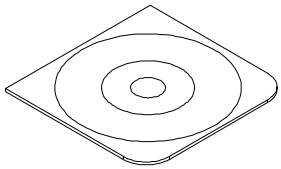
1. Do not place batteries near heating sources, nor exposed to direct sunlight for long periods. Elevated temperature can result in reduced battery service life.
2. The battery shall be operated (stored, charged and discharged) in the temperature specified in this specifications.
   Operating Temperature:
   Charging : 0℃ ~45℃
   Discharge : -20℃ ~60℃
   Storage： -20℃ ~45℃
3. Do not overcharge or overdischarge batteries. It will decrease the batteries' service life.

* Manufactory has no liability for problems that occur when the above specifications are not followed.

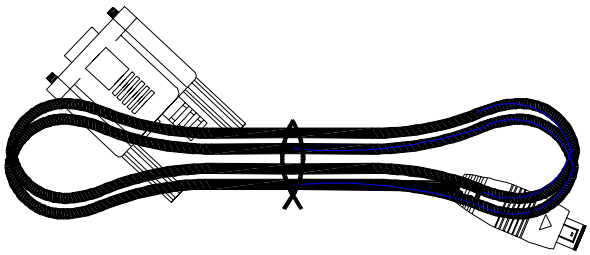
■ Standard Package



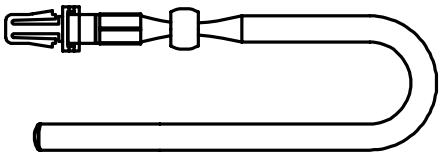
Main unit
(Mini400)



CD-ROM
(DISK5269)



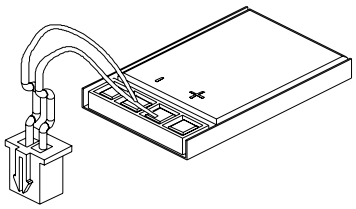
RS232 Cable
(WAS-T0017A)



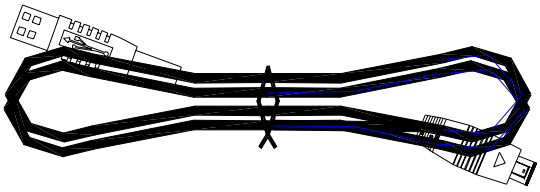
Chain Sling
(TM09F1001)

Power Cable
(WAS-1536A)

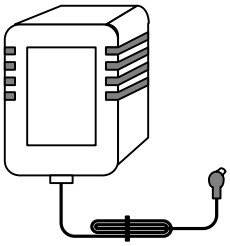
■ Option



Li-Polymer Rechargeable Battery
3.7V 250mAH
(BAT-T0011)



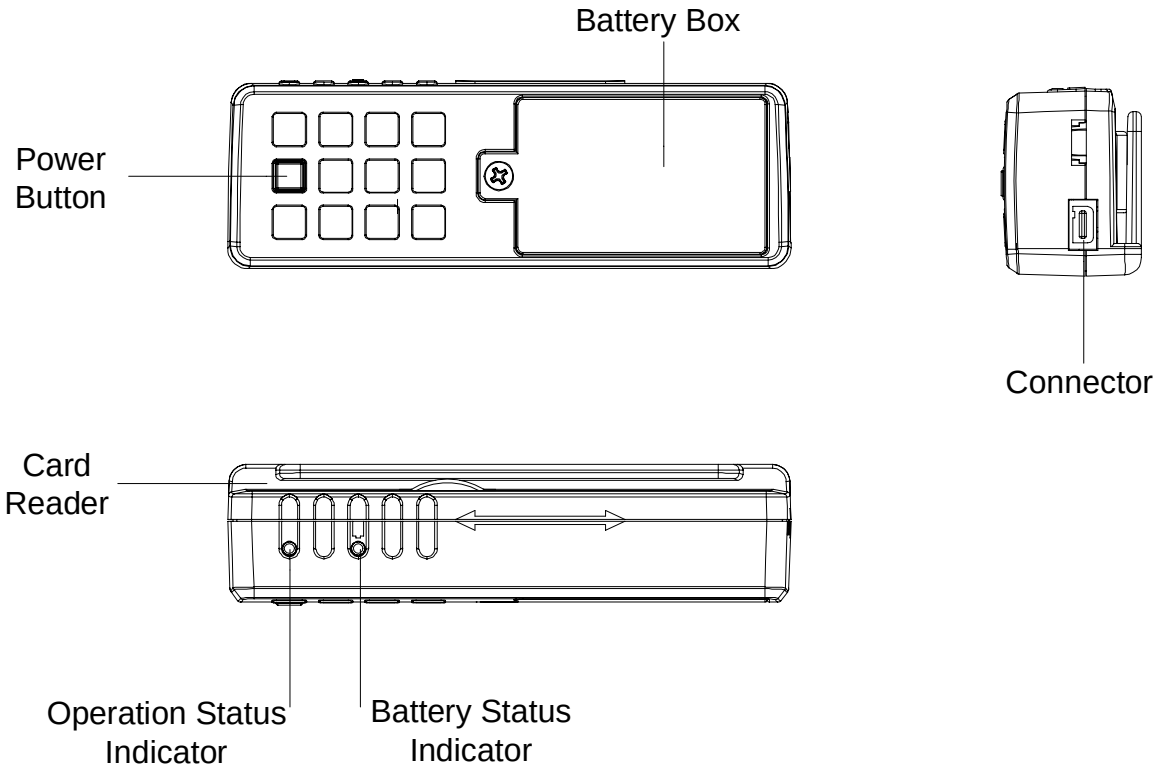
USB Cable
(WAS-1571A)



Power Adaptor
DC5V/120VAC (APR-1024)
or DC5V/230VAC (APR-1010)

Technical And Operational Description

Front Panel Display and Operations



- **Card Reader**
  Swipe the card through the entire length of the slot to read.

- **Operation Status Indicator**
  When encountering erroneous input, defective card, misread,bad memory or incorrectly encoded data and so on, the device will turn on the ERROR indicator .

- **Battery Status Indicator**
  Indicating the battery is ready ,charging progress , charge done, charge suspend in charge mode or low battery in operational mode.

- **Connector**
  For connection to host computer and external Power for charge Battery .

- **Battery Box**
  Put the battery in box and hold battery .

- **Power Button**
  Turn the Mini400 on/off power.
  Note : Hold the power button for 3 sec for power off.

■ Display Information

Operational Indicator

Status	Green LED	Red LED	Buzzer *1	Read Card
Power On	Take turns blink 2 times		Beep. Beep.	X
Auto Power Off	Take turns blink 2 times		Beep. Beep.	X
Ready	On	Off	X	O
Read OK	Blink 1 times	Off	Beep.	X
Read Error	Off	Blink 1 times	Beep. Beep. Beep.	X
Inactive Battery	Off	Blink 3 times	Beep. Beep. Beep.	X
RTC No Setting	Take turns blink		X	X
Memory will be Full	Slow Blink	Off	X	O
Memory Full	Fast Blink	Off	X	X
Memory bad	Off	Blink	X	X
Firmware Management mode	Off	On	X	X

*1 Mini400 is available for Built-in Buzzer.

Battery Indicator

Status	Green LED	Red LED
Power On	Take turns blink 2 times	
Standby	Off	Off
Precharge in progress	Off	Slow Blink
Fast charge in progress	Off	On
Charge done	On	Off
Charge suspend (temperature ,Timer Fault)	Off	Fast Blink
Low Battery	Blink	Off
Inactive Battery	Take turns blink 2 times	

■ Operational Description

1. Powered by Battery

For normal use, the unit is powered by battery. Push the Power Switch Button for about 1.5 seconds to turn on the unit. Also push the Power Switch Button for about 1.5 seconds to turn off the unit. After the unit is turned on, the power would be turned off automatically if there is no swiping a card on the unit in 15 seconds. This means the unit would be turned off if no swiping a card again in every 15 seconds after every card swiping. It would have Low Battery Detect/Warning indication when the unit is powered by battery.

2. Powered by Cable

When the unit is connected with the PC through the communication Cable (WAS-T0017) and the PC is running Mini400 software and open the COM PORT for the unit, then the unit will be turned on in about 0.5 second by the PC through the RS-232 COM PORT. Then you can do the unit Setting, Configuration or data downloading. When the software closes the COM PORT or exits, the power turn off from the PC immediately. When powered by cable from PC, the Power Switch would have no function and the unit would have no Low Battery Detect/Warning function.

3. Real Time Clock Setting

Before start using the unit, you must set the Real Time Clock (RTC) inside the unit to your local time. If there is no battery for quite a while or it is powered by cable for quite a while this would cause Real Time clock (RTC) malfunctioned due to no power supply. When put on the battery to turn on the unit and the Red/Green LED take turns blinking, this means the RTC is malfunctioning and you must do the RTC time setting before you use the unit.

4. Low Battery Detect

When powered by battery, it would have Low Battery Detect function. When the battery goes low, the LED would flash green once every 2 second and you must charge battery immediately, otherwise, the unit would shut down any time without pre-warning.

5. Charge Mode

There are three different charge modes for Mini400: low battery mode ;real time mode and manual charge mode. Low battery charge mode is used when the battery hits low voltage, it starts to be charged automatically. Real time charge mode is whenever the Mini400 cable is connected to USB or Power adapter, it would be charged immediately. Manual charge mode is the charge is controlled by Demo software . User can use the software to start or stop charging. The default set mode is on low battery charge mode.

6. Charge Status Indication

When Mini400 is in charge, Battery Status Indicator light show slow blink red that means the battery is in the pre-charge. When Battery Status Indicator light turns to red, it means the battery is in charge status. When Battery Status Indicator light turns to green, it means the charge is finished. If the charge process has unusual situation, Battery Status Indicator light will show red fast blink. If Mini400 cable is connected, and battery is not in charge, Battery Status Indicator light will turn off.

7. Memory Low Warning

Log database memory is almost full (>90%). Adding new records is still possible but you are advised to free up the log database memory by uploading the data to the PC as soon as possible.

8. Memory Full Warning

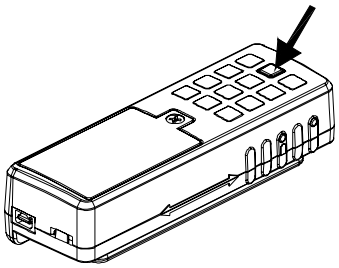
Log database memory is full. You not be able to add any new records. Free the log database memory by uploading the data to the PC.

9. Firmware Management mode (FMM)

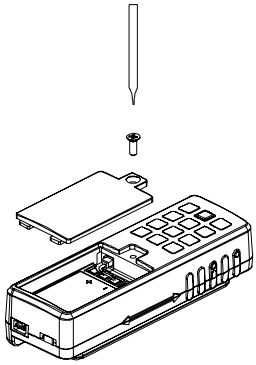
FMM allows you to quickly upgrade your Mini400's internal firmware via com port and also check validity of currently loaded firmware. Contact your dealer for most recent firmware upgrade files.

■ Replace Battery

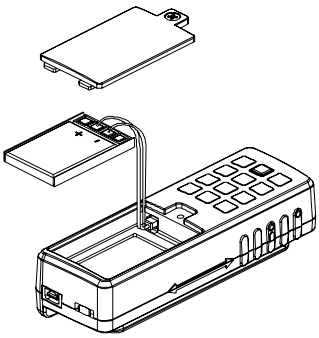
Note:
Read the instructions on your device before replace new battery.
see Lithium Ion Polymer Battery Handling Guideline for details



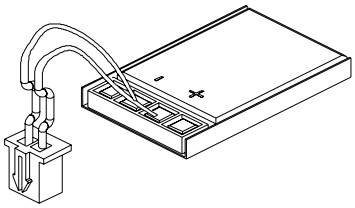
1. Power turn off



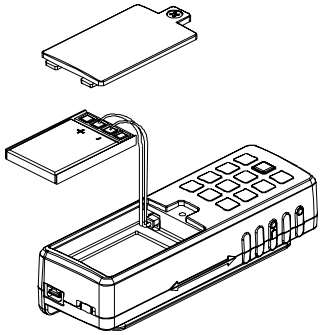
2. Take the cover away



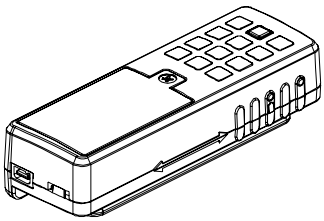
3. Take the battery away



4. Take new battery



5. Put new battery in



6. Fix the battery cover

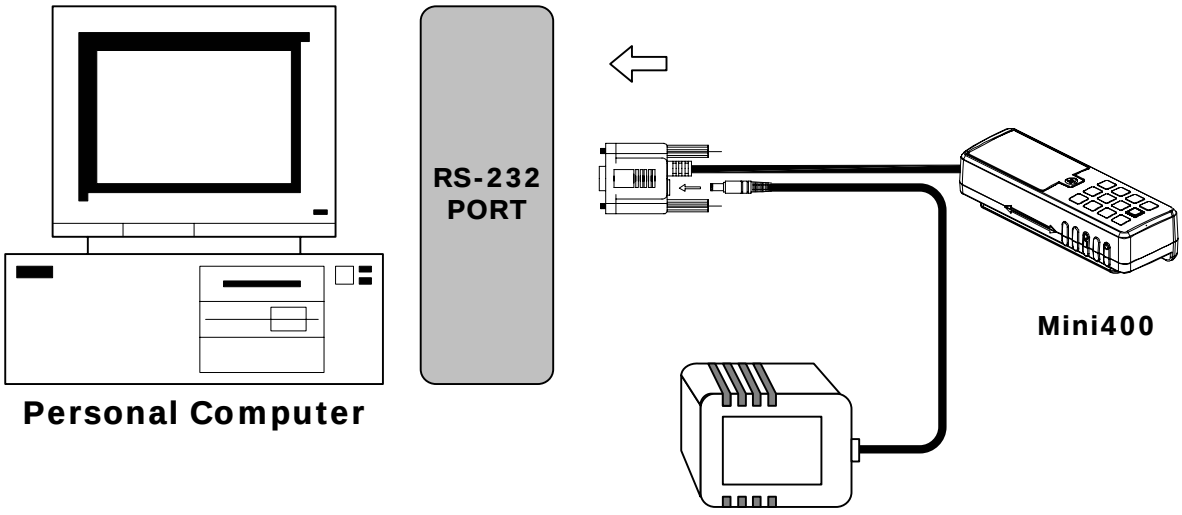
Connections

WAS-T0017A

DSUB 9P POWER JACK	DSUB 9P FEMALE PIN	FUNCTION	MINI USB 4P
+		VCC	1
	2	TXD	2
	3	RXD	3
-	5	GND	4

No use

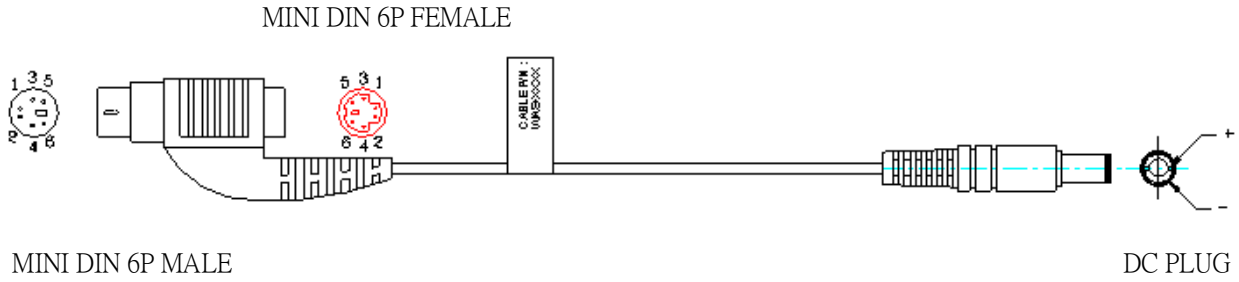
Connect to PC



Note:

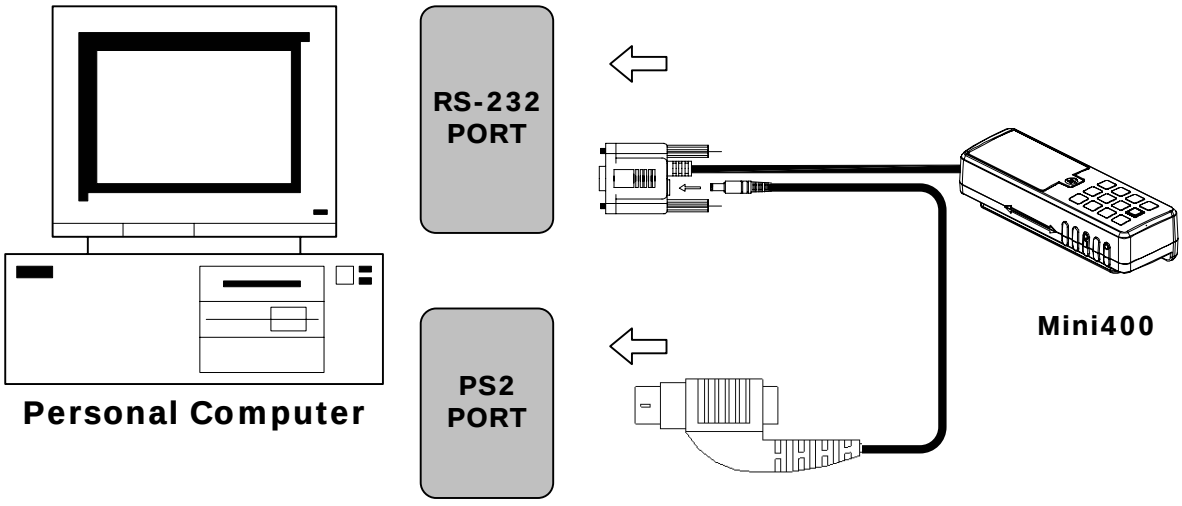
1. When Mini400 is connected/disconnected to external power adapter, it would be turned On/Off automatically.
2. Normally the charging time is about 1.5 ~ 2.5 hours (Default setting is low battery charge mode, it is detected when the battery is low, it would be charge until Full automatically). The working hours would be more than 48 hours (Stand alone and Always On). If Mini400 is connected with external power adapter, it would use external power instead.
3. The battery life is more than 300 times. If user uses improperly charge mode, it may affect the battery life.

WAS-1536A



MINI DIN 6P MALE PIN	MINI DIN 6P FEMALE PIN	DC PLUG	FUNCTION
1	1	---	DATA
3	3	V-	GND
4	4	---	CLOCK
5	5	V+	+5V

Connect to PC



Note:

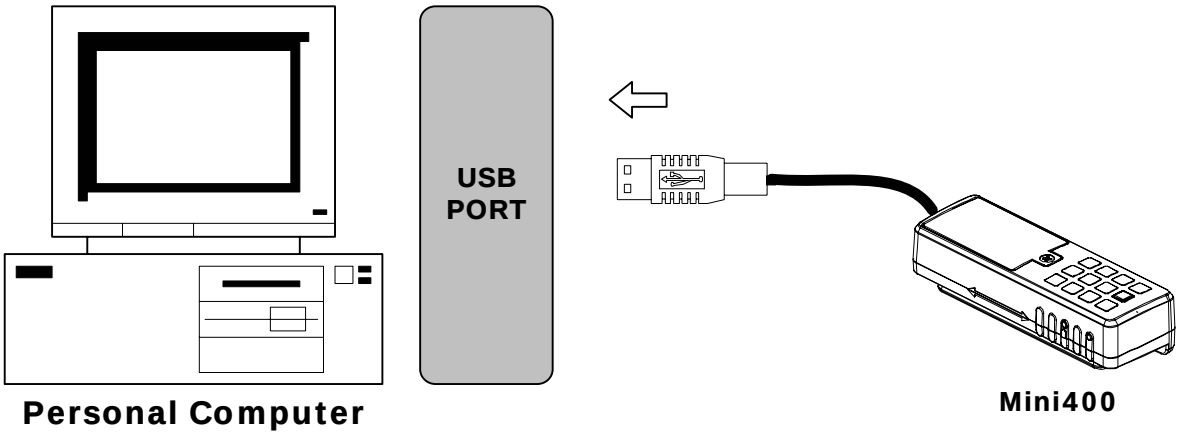
1. When Mini400 is connected/disconnected to external power adapter, it would be turned On/Off automatically.
2. Normally the charging time is about 1.5 ~ 2.5 hours (Default setting is low battery charge mode, it is detected when the battery is low, it would be charge until Full automatically). The working hours would be more than 48 hours (Stand alone and Always On). If Mini400 is connected with external power adapter, it would use external power instead.
3. The battery life is more than 300 times. If user uses improperly charge mode, it may affect the battery life.

WAS-1571A

USB 4P FEMALE PIN	FUNCTION
1	VCC
3	D -
2	D +
4	GND

MINI USB 4P	FUNCTION
1	VCC
2	RXD
3	TXD
4	GND

Connect to PC



Note:

1. When Mini400 is connected/disconnected to USB port, it would be turned On/Off automatically.
2. Normally the charging time is about 1.5 ~ 2.5 hours (Default setting is low battery charge mode, it is detected when the battery is low, it would be charge until Full automatically). The working hours would be more than 48 hours (Stand alone and Always On). When Mini400 is connected with USB, it would use power from PC instead.
3. The battery life is more than 300 times. If user uses improperly charge mode, it may affect the battery life.

Card Data Format

CARD DATA STRING

TRACK 1	TRACK 2	TRACK 3	DATE & TIME

SS	*TRACK1 DATA*	ES	SS	*TRACK2 DATA*	ES	SS	*TRACK3 DATA*	ES	SP	DATE	SP	TIME	SP	WEEK
%	*TRACK1 DATA*	?	;	*TRACK2 DATA*	?	+	*TRACK3 DATA*	?		DATE		TIME		WEEK

TRACK 1

%	CARD ID	?

1. SS is the start sentinel (%).
2. ES is the end sentinel (?).
3. Card Id up to 76 alphanumeric data characters.

Track 1 IATA	
Bits Per Inch	210
Bits Per Character	7
Alphanumeric Characters	79

TRACK 2

;	CARD ID	?

1. SS is the start sentinel (;).
2. ES is the end sentinel (?).
3. Card Id up to 37 numeric data characters.

Track 2 ABA	
Bits Per Inch	75
Bits Per Character	5
Numeric Characters	40

TRACK 3

+	CARD ID	?

1. SS is the start sentinel (+).
2. ES is the end sentinel (?).
3. Card Id up to 104 numeric data characters.

Track 3 Thrift	
Bits Per Inch	210
Bits Per Character	5
Numeric Characters	107

DATE&TIME&WEEK

SP	DATE	SP	TIME	SP	WEEK
	YYYY/MM/DD	SP	HH:MM:SS	SP	W

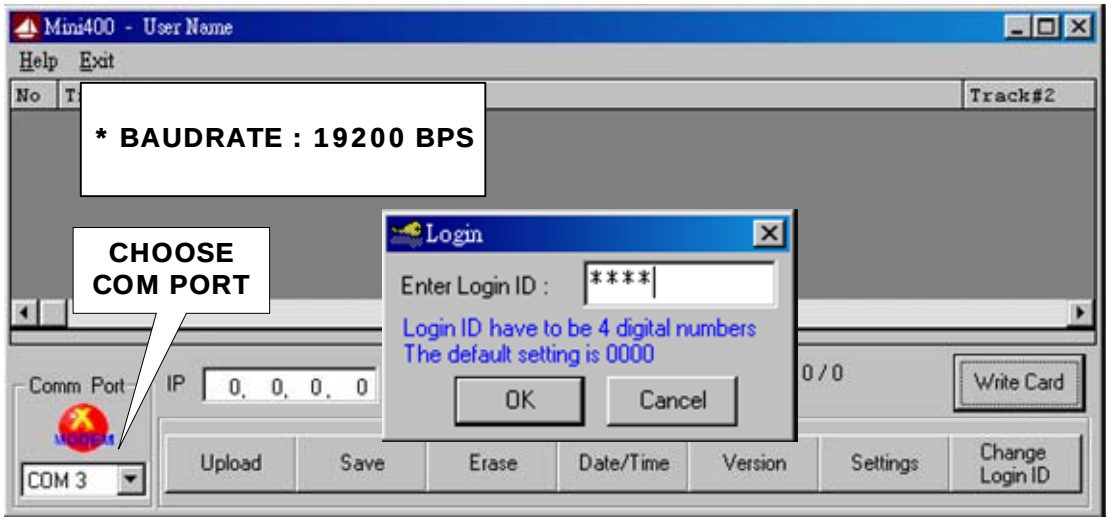
1. SP is the SPACE characters (20h).
2. TIME is 24hr .

WEEK	
SUN	1
MON	2
TUE	3
WED	4
THU	5
FRI	6
SAT	7

Demo Software

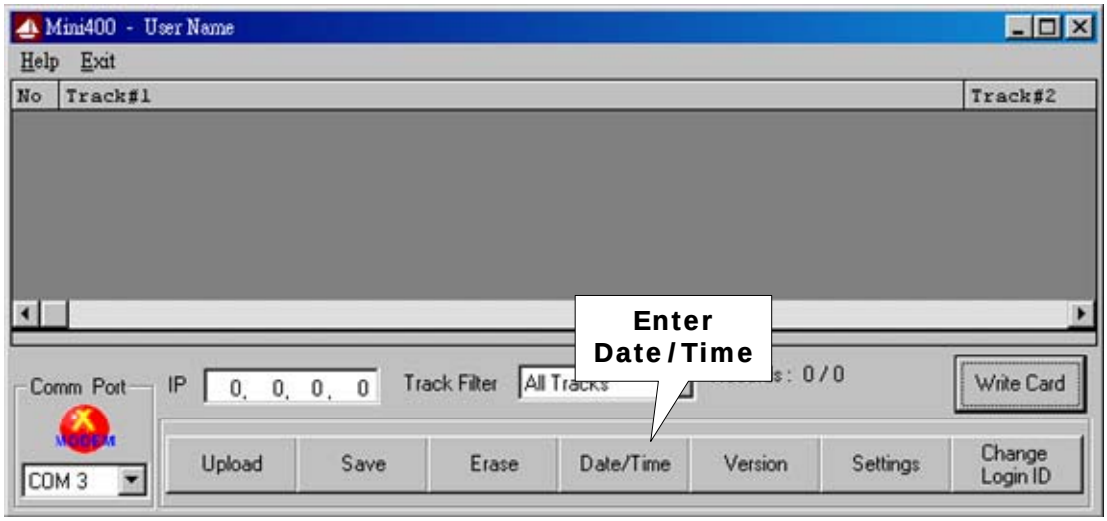
STEP 1 : Run Mini400

STEP 2 : Choose COM PORT (Do not choose TCP / IP)

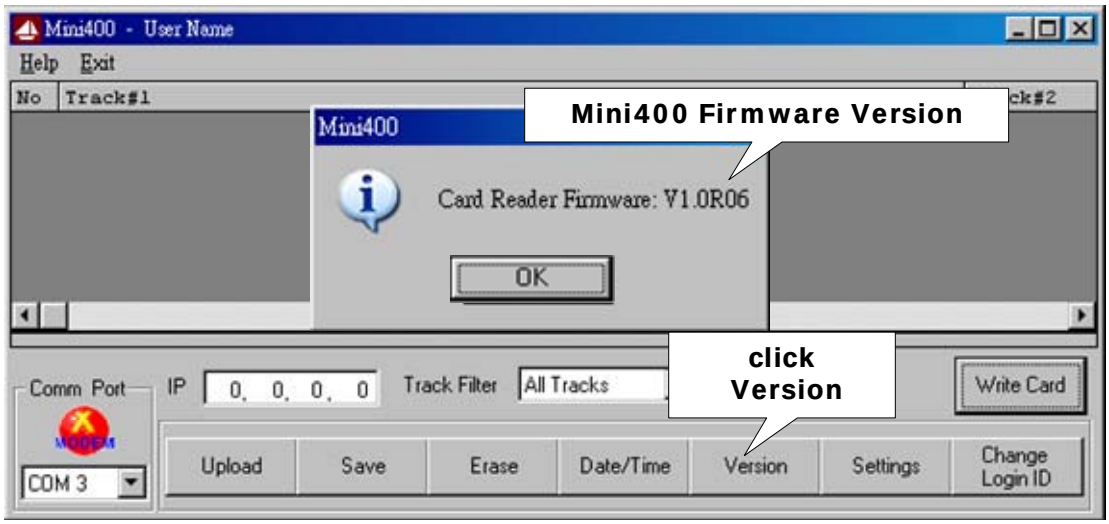


STEP 3 : Click Date/Time to set PC current time to Mini400 (When need)

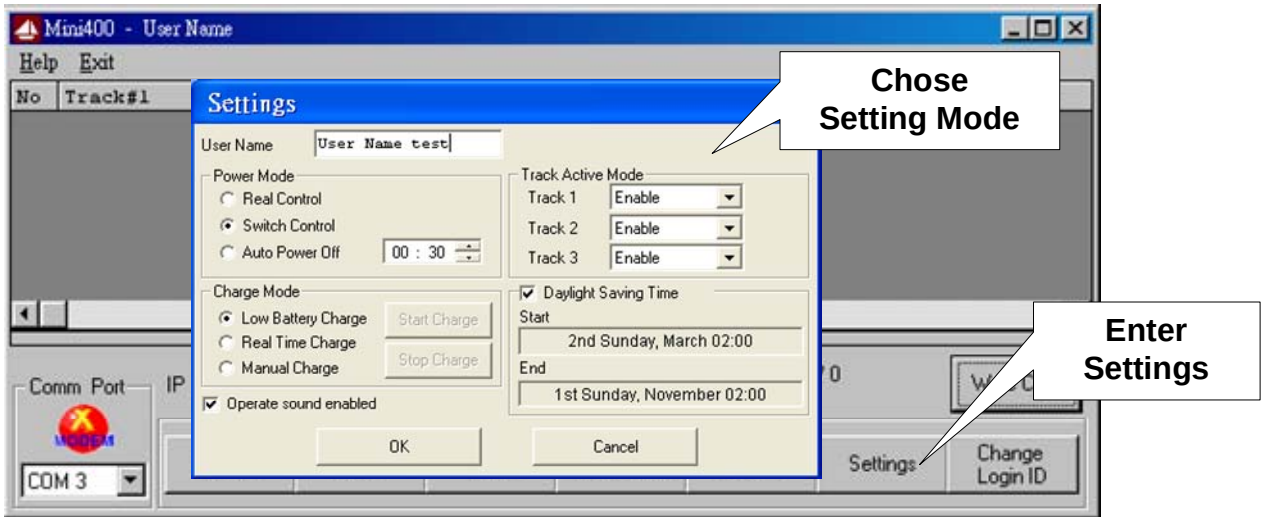
NOTE: Make sure your PC current time is correct befor you set PC time to Mini400.



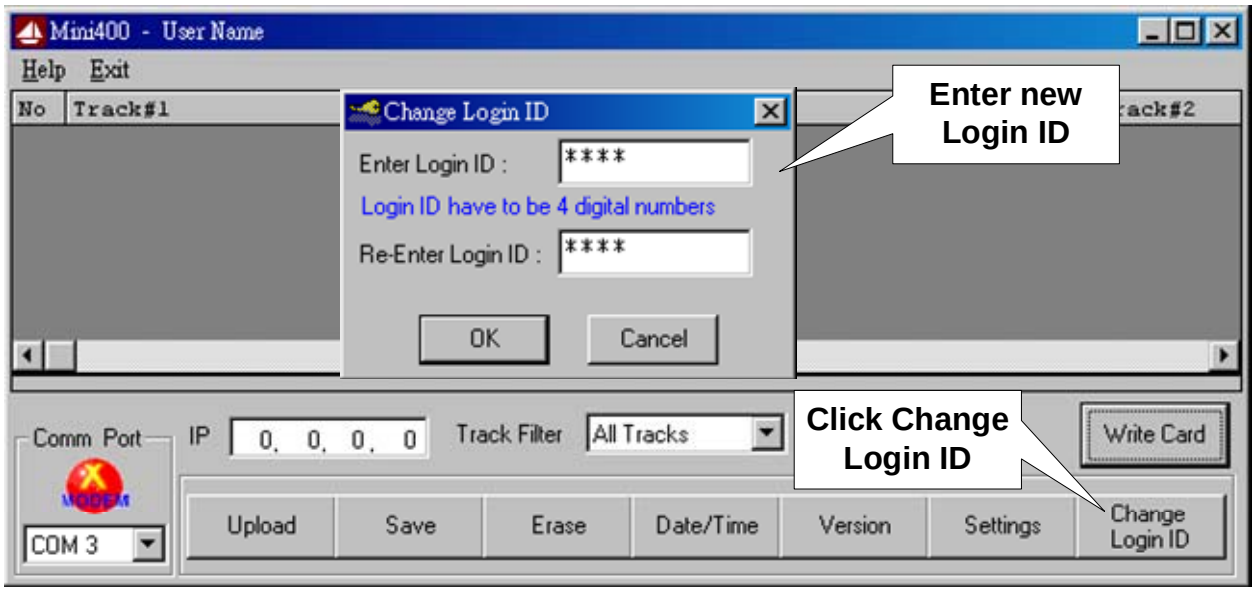
STEP 4 : Click Version (To show Mini400 Firmware Version when needed)



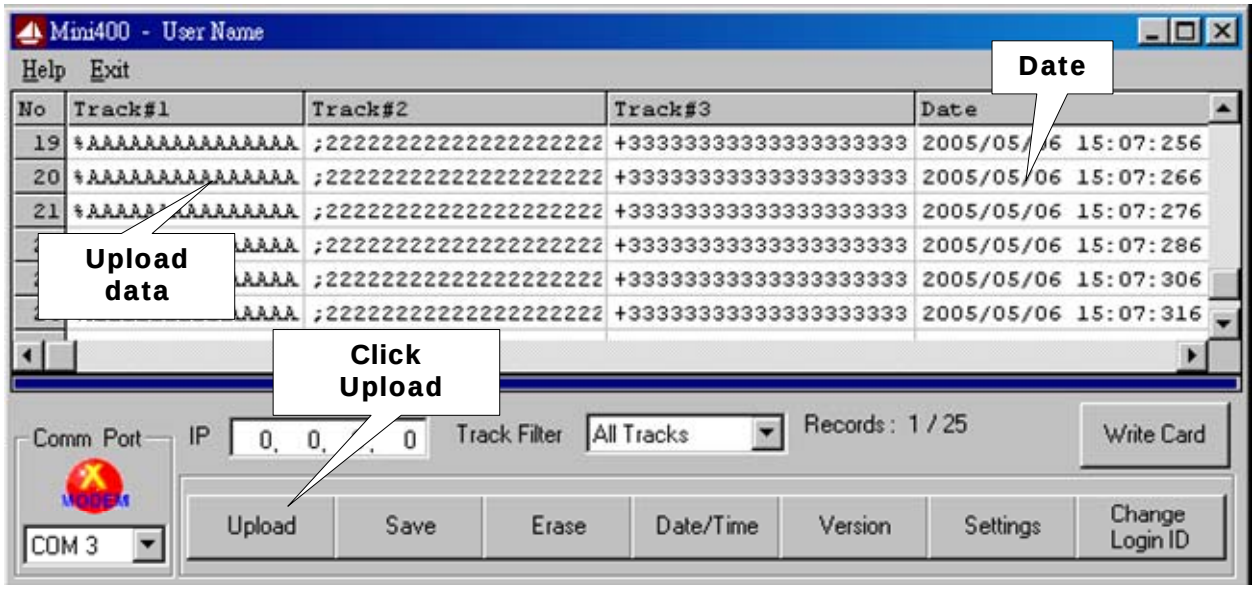
STEP 5 : Click Settings setting User Name/Power Mode/Charge Mode/Sound Mode/Track Active Mode (Timer set min 3 second / max 30 minute)



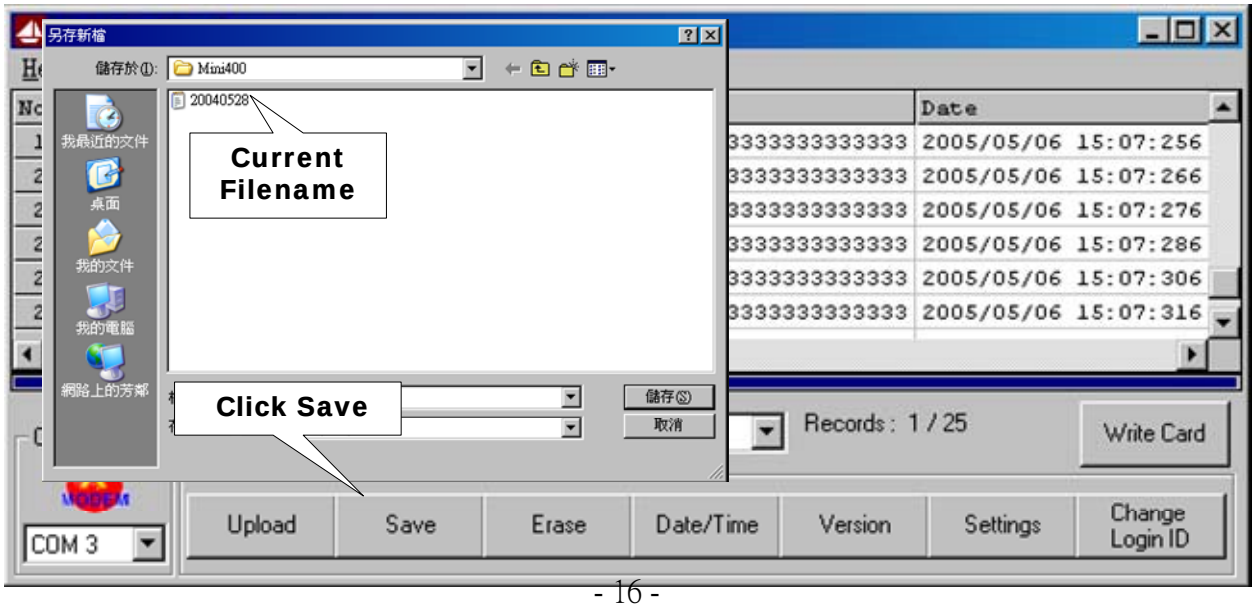
STEP 6 : Click Change Login ID to Change Login ID
(Login ID default setting is "0000".)



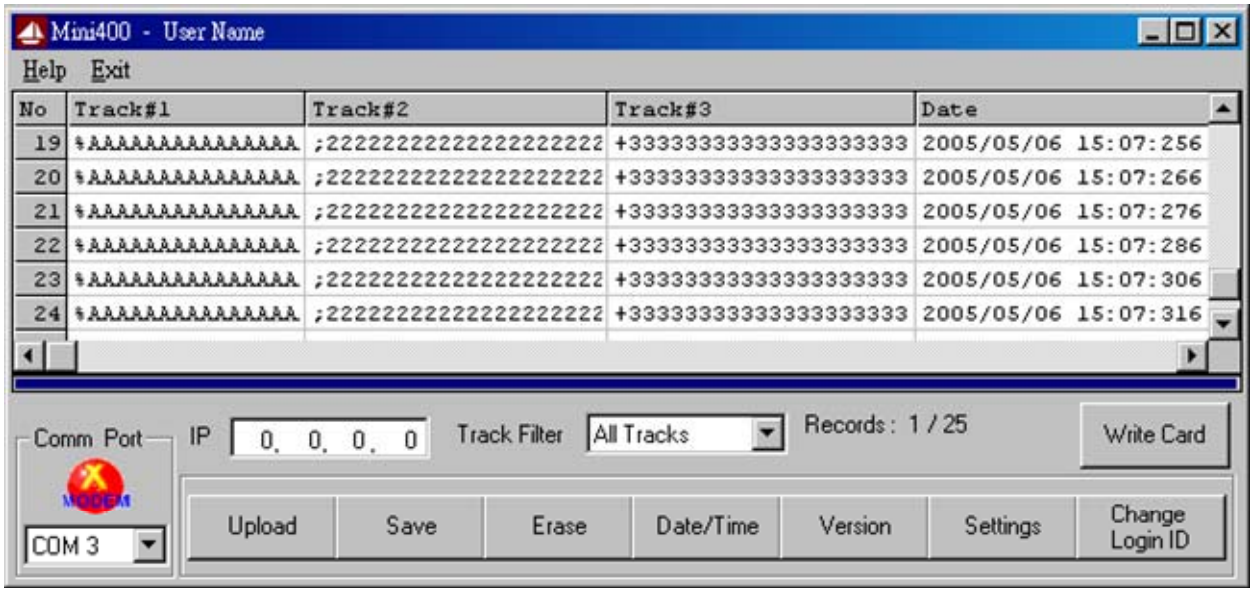
STEP 7 : Click Upload to upload data



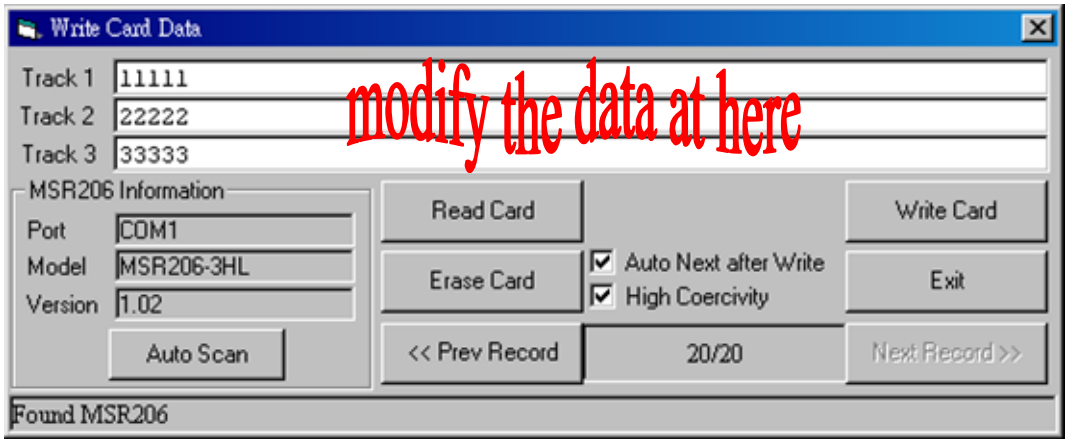
STEP 8 : Click Save to save data



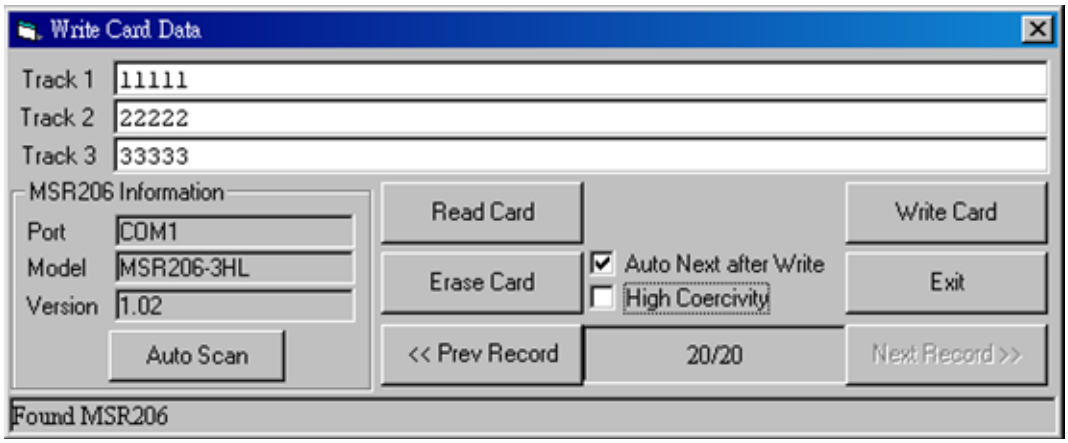
STEP 9 : Click Write Card



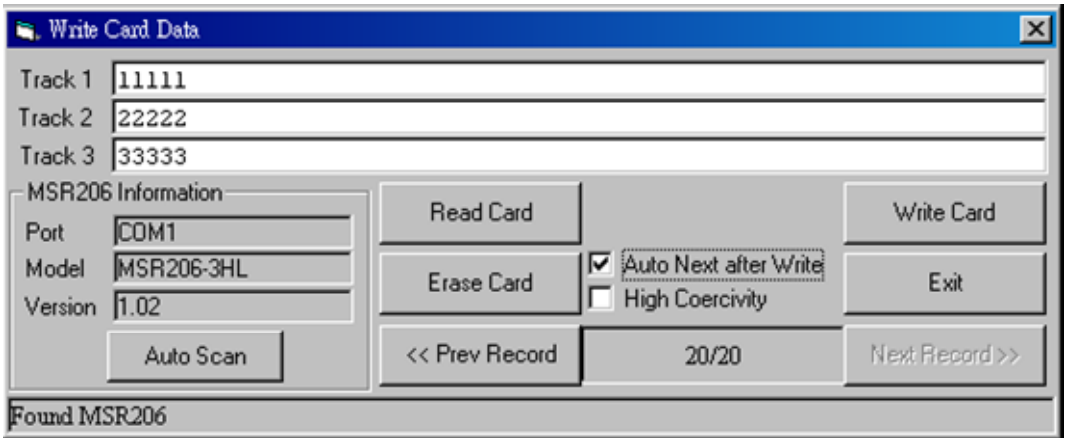
Write Card - Step 1: Select the data
Click [Prev Record] and [Next Record] to select the data from upload data. All three tracks data can be edited by user if necessary.



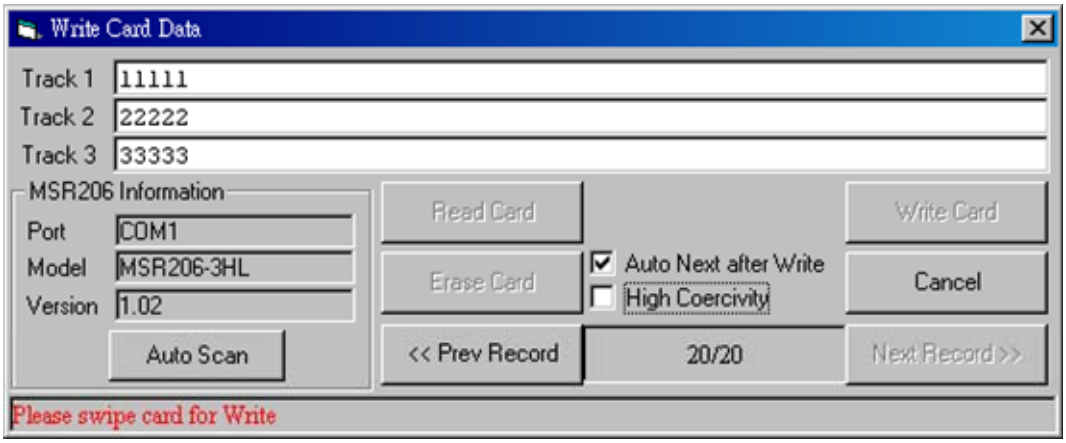
Write Card - Step 2: Select High/Low coercivity
Write Hi-Co card - Check the Hi-Co box; Write Lo-Co card - Uncheck the Hi-Co box.



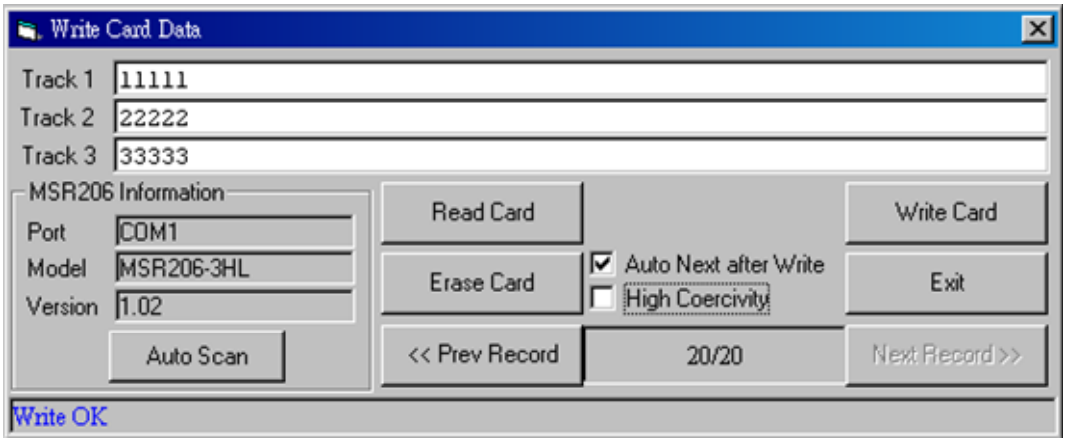
Write Card - Step 3: Select Auto Next after Write
The default setting of the [Auto Next after Write] check box is checked. User can click [Prev Record] or [Next Record] to select data that you need. Also, it allows user to uncheck [Auto Next] after write then select your own data.



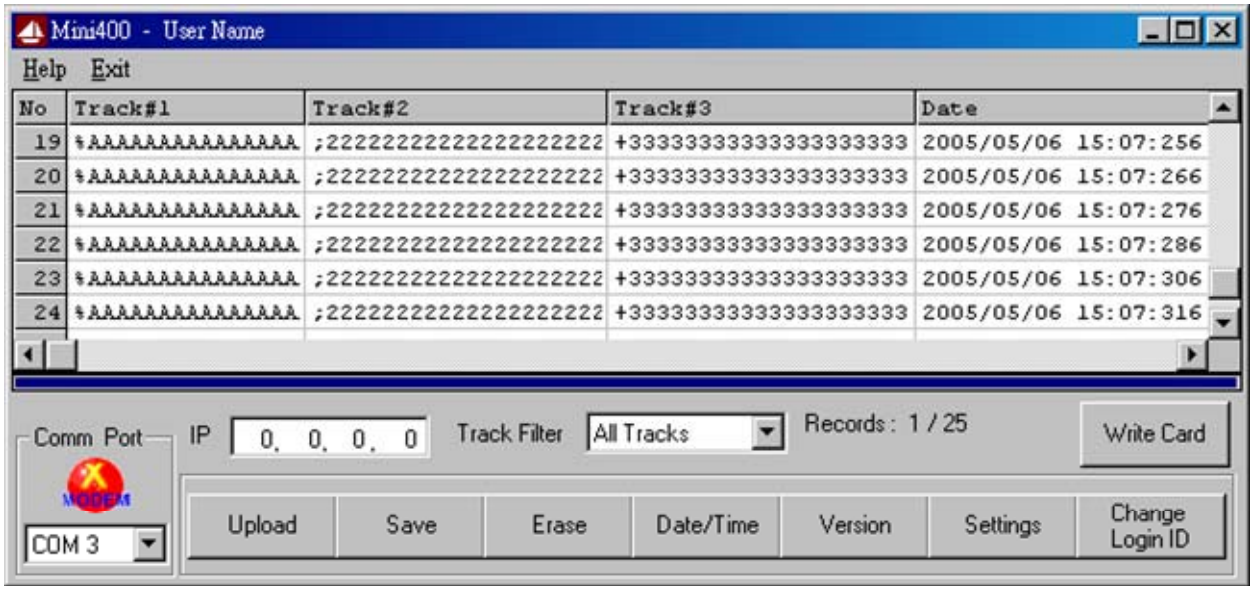
Write Card - Step 4: Click [Write Card]
Click [Write Card] button to write card. Click [Cancel] to stop write card function.



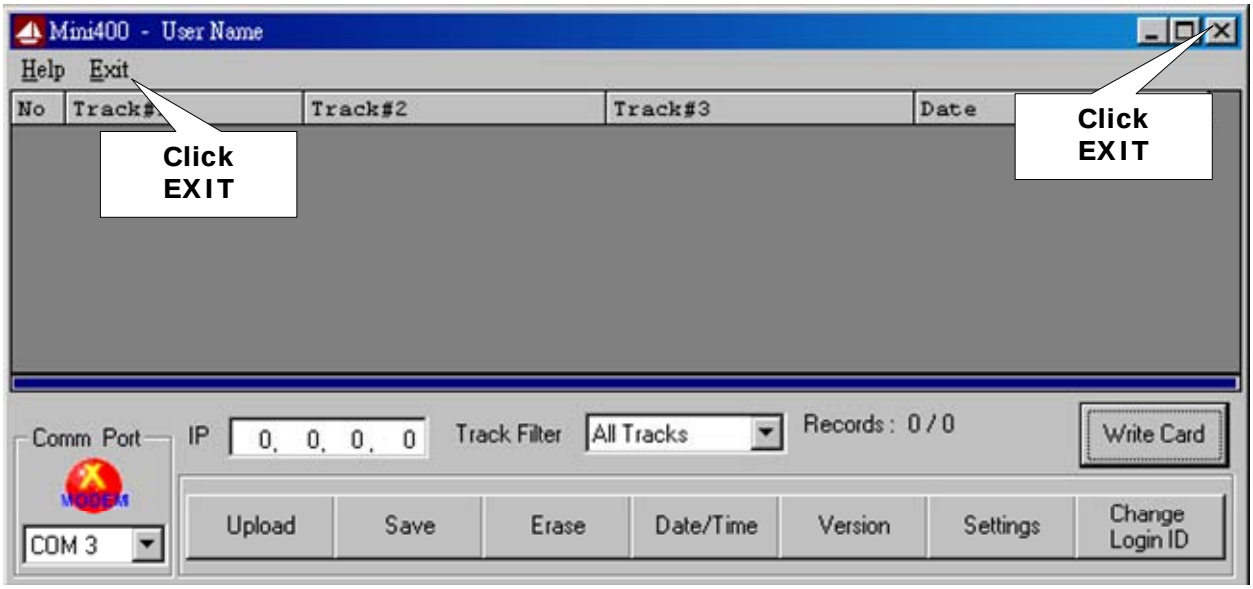
Write Card - Step 5: Finish Write Card
Swipe card, If the message is “Write OK”, the card has been written successfully. If the message is “Write Error”, Please make sure that you have selected right card type Hi-Co or Lo-Co.



STEP 10 : Click Erase to erase the memory records of Mini400
(Note : Always [Save] the data before [Erase])



STEP 11 : Click Exit Mini400 Software



Specifications

Magnetic Stripe Card :

TRACK 1 / IATA / 210 bpi / 79 Alphanumeric Characters
TRACK 2 / ABA / 75 bpi / 40 Numeric Characters
TRACK 3 / Thrift / 210 bpi / 107 Numeric Characters

RS232 Interface :

RS232 , Half-Duplex , 8N1 , 9600 bps

Communication Protocol :

Version 1.2 (GNET V1.2)

CLOCK :

Real Time Clock (RTC) module and back-up capacitor

Memory Size for Storing Data :

CMOS Serial Flash Memory 512K bytes
Up to 2048 records (256 Bytes / Record)

Battery Power :

Rechargeable Lithium-ion Polymer Battery
Nominal Capacity: 250 mAH (Typical)
Nominal Voltage: 3.7 V
Cycle Life: 300 cycles (at least)
Low Battery Detect and Built-in Quick Charge Circuit

Power Supply for Charge :

DC 5V , 200mA (for RS-232) or USB Powered
Charging duration time : 1.5 ~ 2.5 hr
Working duration time after charge : 48 hr (always power on)

Dimensions :

L 82 x W 20 x H 28 mm

Environment :

Operating Temp : -0℃ ~ +60℃ (Discharge)
-0℃ ~ +45℃ (Charging)
Storage Temp : -10 ~ +65℃
Humidity : 10 ~ 90 % relative

Mounting :

Portable or Any surface

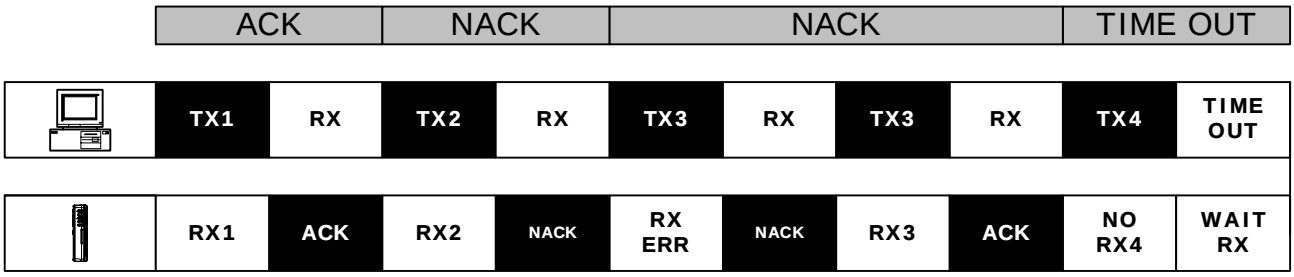
Communication Protocol

GNET FEATURES

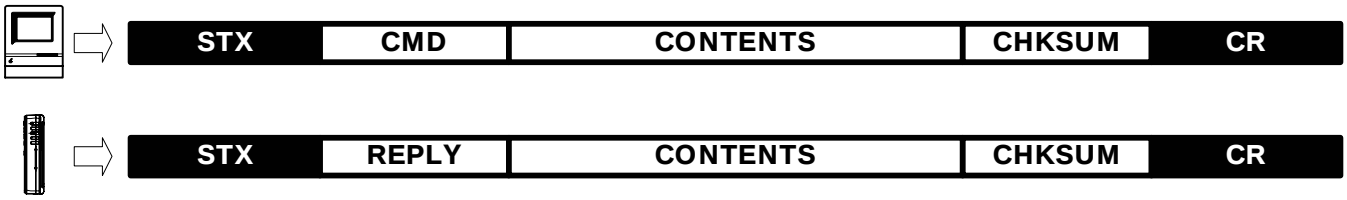
- Support TTY (TELE TYPE) OPERATION -
  Use TTY to send commands and messages.
- Simple handshaking -
  One enquiry one answer back.
- Multi-link capability
- Expandability -
  GNET provides 4 major functions:
  1. POLLING
  2. LOGIN / LOGOUT
  3. DATABASE
  4. INFORMATION

  Also can be expandable.
- Simple format
  Use ASCII value for each field and use Separator "," between two Fields.

GNET Handshaking



GNET PACKET



ITEM	Dec	Hex	Control Key	Function
STX	2	02	^B	Start of Text
CMD	Ascii	Ascii	Ascii	Command Code
CONTENTS	Ascii	Ascii	Ascii	Contents Data
CHKSUM	Ascii	Ascii	Ascii	Check Sum
CR	13	0d	^M	Carriage Return
REPLY	(78) 65	(4e) 41	(N) A	(Negative) Acknowledge

Command Index Table

Topic	Command	Contents	Description
SETTING	L	4 Characters for Login(0000)	Login
	O	-	Logout
	P	New four digit password	Set Password
	B	-	Get Register
	C	-	Set register
	F	-	Get Product Version
	S	Date,Time,Week	Set Date,Time and Week
	T	-	Get Date and Time
DATABASE	N	-	Get Number of Record
	G	Number	Read Record by Number
	E	-	Erase All Record

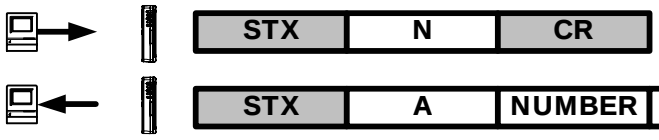
Reply Index Table

Topic	Reply	Contents	Description
ACK	A	Reply Information	ACK+Information
NAK	N	See Error Index Table	NAK+Information

Error Index Table (For Reply NAK)

Topic	Error Index	Description
ACCESS LEVEL	00	Access Denied or Password Error
COMMAND CODE	01	Command packet is too long
	02	Command packet is empty
	03	Command code is out of range
	04	Illegal Command or Data
DATABASE	05	Database and Register is Empty
	06	Record number is out of range
	07	Check Sum Error
	08	Memory Not Enough
	09	Action Failure
FILE	0A	File Not Exist

1. GET NUMBER OF RECORD :

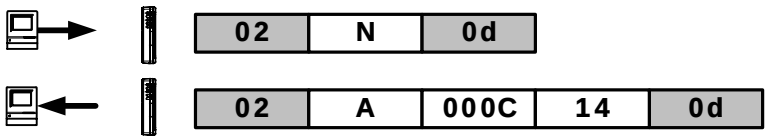


STX	N	CR

STX	A	NUMBER	CHKSUM	CR

NUMBER	Record Count . 4 Bytes Width (0000h ~ 0080h)

EXAMPLE

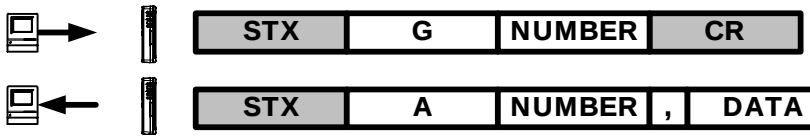


02	N	0d

02	A	000C	14	0d

The Total of Record Count : 12

2. READ RECORD BY NUMBER :

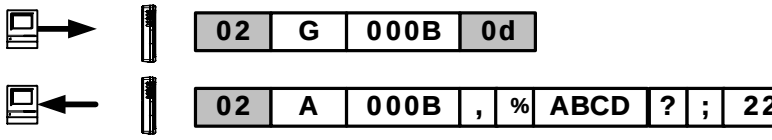


STX	G	NUMBER	CR

STX	A	NUMBER	,	DATA	CHKSUM	CR

NUMBER	Record Count . 4 Bytes Width (0000h ~ 007Fh)
DATA	Record Data (TRACK1 , TRACK2 , TRACK3)

EXAMPLE

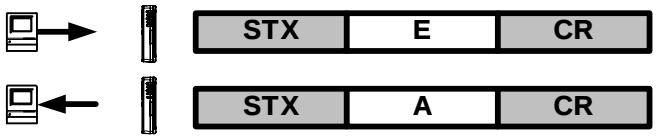


02	G	000B	0d

02	A	000B	,	%	ABCD	?	;	2222	?	+	3333	?	C7	0d

Read Record Number : 11
TRACK1 ID : ABCD , TRACK2 ID : 2222 , TRACK3 ID : 3333

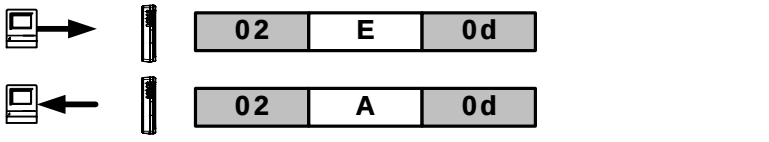
3. ERASE ALL RECORD :



STX	E	CR

STX	A	CR

EXAMPLE

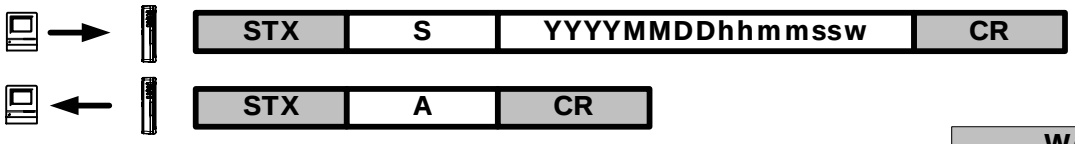


02	E	0d

02	A	0d

ERASE ALL RECORD

4. SET DATE AND TIME :



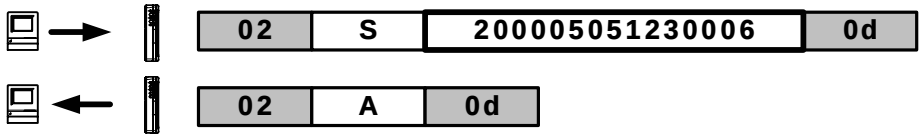
STX	S	YYYYMMDDhhmmssw	CR

STX	A	CR

YYYY	Year (1980 - 20xx)
MM	Month (01 - 12)
DD	Date (01 - 31)
hh	Hour (00 - 23)
mm	Mintue (00 - 59)
ss	Second (00 - 59)
W	Week (1 - 7)

Week	
SUN	1
MON	2
TUE	3
WED	4
THU	5
FRI	6
SAT	7

EXAMPLE



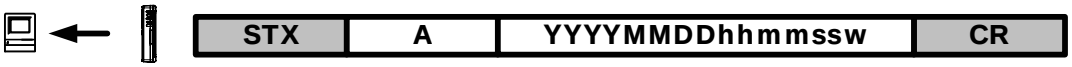
02	S	200005051230006	0d

02	A	0d

Set Date = 2000 / 5 / 5
Set Time = 12 : 30 : 00 , Friday

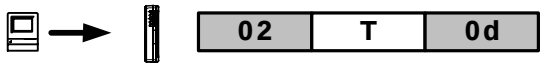
5. GET DATE AND TIME:

STX	T	CR

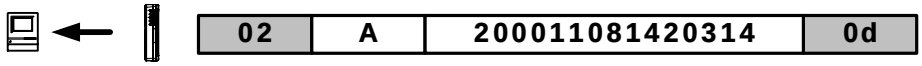


STX	A	YYYYMMDDhhmmssw	CR

EXAMPLE



02	T	0d

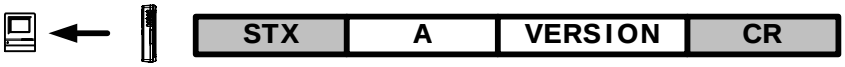


02	A	200011081420314	0d

Get Date : 2000 / 11 / 8
Get Time : 14 : 20 : 31 , Wednesday

6. GET PRODUCT VERSION :

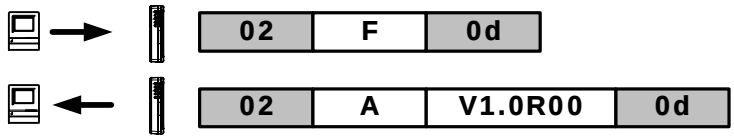
STX	F	CR



STX	A	VERSION	CR

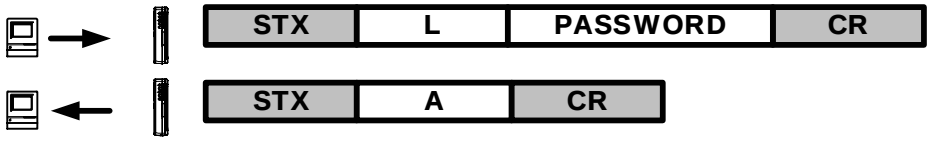
VERSION	VxxRmm , Vxx : Firmware Version x.x , Rmm : Modify mm Times

EXAMPLE



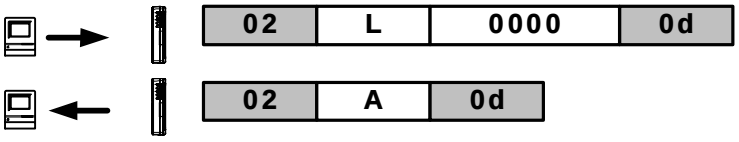
Firmware Version = 1.0
Modify times = 0

7. LOGIN :



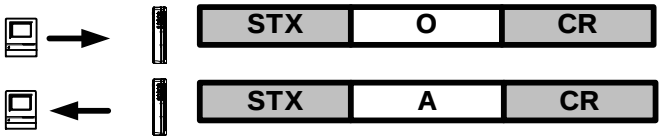
PASSWORD	4 Characters for Login. 0000=Initial value

EXAMPLE

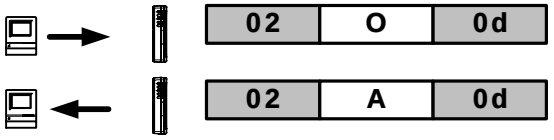


Login password : 0000

8. LOGOUT :

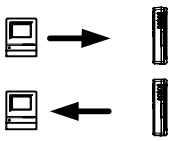


EXAMPLE



Logout

9. SET PASSWORD :

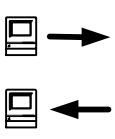


STX	P	PASSWORD	CHKSUM	CR

STX	A	CR

PASSWORD	New four digit password

EXAMPLE

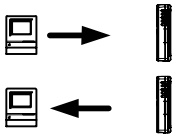


02	P	1234	1A	0d

02	A	0d

Set new password : 1234

10. SET REGISTER :

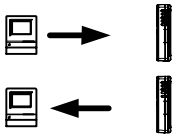


STX	C	REGISTER	,	PARAM	CHKSUM	CR

STX	A	CR

REGISTER	Register Address . 2 Bytes Width (00h ~ FFh)
PARAM	Set Parameters of Register
CHKSUM	C + REGISTER + , + PARAM

GET REGISTER :



STX	B	REGSTER	CR

STX	A	PARAM	CHKSUM	CR

REGISTER	Register Address . 2 Bytes Width (00h ~ FFh)
PARAM	Set Parameters of Register

REGISTER TABLE

Register	Function	Description
10h	Auto Power Off Time(Low byte)	00~FFh : 00~FFh(0~ 255)/2 Second
11h	Auto Power Off Time(High byte)	00~FFh : 00~FFh(0~ 255)/2*256 Second
12h	Power Mode	00h : Real Control 01~FEh : Auto Power OFF FFh : Switch
13~18h	---	---
19h	Buzzer ON/OFF	00h : Buzzer OFF FFh : Buzzer ON
20~29h	---	---
30h	TRACK 1 Active Mode	00h : Disable 01h : Required FFh : Enable
31h	TRACK 2 Active Mode	
32h	TRACK 3 Active Mode	
33~39h	---	---
40h	Daylight Saving Time Active Mode	00~02h : Enable 03~FFh : Disable
41h	Daylight Saving Time Start The Month	01~0Ch : 1~12 Month FFh : Disable
42h	Daylight Saving Time Start The Date or The Week of The Month and The Date of the week	00bbbbbb *: Set The Date 01aaaccc * : Set The Week Of The Month Set The Date Of The Week
43h	Daylight Saving Time Start The Time	00~16h : 0~22 O'clock
44h	Daylight Saving Time End The Month	01~0Ch : 1~12 Month FFh : Disable
45h	Daylight Saving Time End The Date or The Week of The Month and The Date of the week	00bbbbbb * : Set The Date 01aaaccc * : Set The Week Of The Month Set The Date Of The Week
46h	Daylight Saving Time End The Time	01~17h : 1~23 O'clock
47~FFh	---	---

*The Date & The Week of The Month & The Date of the week Parameter table

	Parameter							
	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
Set the date	00		000001~01111					
Set the week of the month Set the date of the week	01		000~111			000~110		

Bit 5~0 (bb bbbb)	Date
00 0000	---
00 0001	1
00 0010	2
00 0011	3
:	:
01 1101	29
01 1110	30
01 1111	31

Bit 5~3 (aaa)	Order
000	---
001	First
010	Second
011	Third
100	Fourth
101	Fifth
110	Final
111	Final 2nd

bit 2~0 (ccc)	Week
000	Sunday
001	Monday
010	Tuesday
011	Wednesday
100	Thursday
101	Friday
110	Saturday