Solt PC Monitoring User's Manual

2012-09-04 Rev 1.0



Index

Inde	ex	2
1.	Introduction	3
2.	Program Configuration	3
	2.1. System Operation	3
3.	How to Install Program	4
	3.1. Operating System	4
	3.2. Recommended Hardware Specifications	4
	3.3. USB Driver Installation	4
	3.4. Solt PC Monitoring Software Installation	7
	3.4.1. Shortcut Icon Location	9
4.	Hardware Configuration	10
	4.1. Hardware Wiring	10
	4.2. Communication Cable Specifications	10
5.	Run Program	11
6.	Menu	11
	6.1. [A] File	11
	6.1.1. Setup	11
	6.1.2. Bell Settings	13
	6.2. [B] Monitoring View	15
	6.2.1. Log Data	15
	6.2.2. Call Data	15
	6.3. [C] Statistics	16
	6.3.1. Search condition	16
	6.3.2. Result	17
	6.3.3. Chart	17

1. Introduction

- Solt Monitoring Program designed to take action by calling manager when emergencies happened to your management areas.
- Also, it makes possible to statistics by sorting the calling date and time and place from automatically saved DB file.

2. Program Configuration

2.1. System Operation



[System Operation]

3. How to Install Program

3.1. Operating System

• Windows[®] XP, Vista, 7 (x86, x64 Compatible)

3.2. Recommended Hardware Specifications

· CPU- Intel® Core2 duo, RAM- 1GB, HDD- 200MB, Resolution - 1024*768

3.3. USB Driver Installation

- · Connect USB to Serial Cable to PC.
- Open Device Manager, the USB Serial Converter with a question mark, press the right mouse button to click Properties.



· Click 'Reinstall Driver...' in a USB Serial Converter property.



· Select 'USB 2.0 TO RS232 Cable\Windows' in a CD, and click Next.

Brow	wse for driver software on your computer	
Searc	ch for driver software in this location:	
E:₩I	USB 2.0 TO RS232 Cable#Windows	Browse
🔽 In	nclude subfolders	
+	Let me pick from a list of device drivers on my con This list will show installed driver software compatible with the dev coftware in the same categoous at the device	nputer rice, and all driver
	The second	

· Click the Close button to complete USB Serial Converter driver installation.



- Click the right mouse button to click Properties in the USB Serial Port in other devices.



• Complete to driver installation using same as installing USB Serial Converter above.



 When the installation is complete, the Task Manager of the Ports (COM & LPT) item can be found installed on USB Serial Port.



3.4. Solt PC Monitoring Software Installation

Run Solt Monitoring Install Program

🕷 [Eng]Solt Monitoring Install Program rev2.4.exe

When you install the program in order Solt PC Monitoring installation is done.



ľ	🖞 Setup - Firebird		13 Setup - Firebird
	Select Destination Location		Select Components
⊳	To continue, dick Next. If you would like to select a different folder, dick Browse.	⊳	Select the components you want to install clear the components you do not want to install. Click Next when you are ready to continue. Full installation of Server and development tools. Classic Server binary 2.7 MB Classic Server binary 2.8 MB
	At least 1.4 MB of free disk space is required. English < Back Next > Cancel		Opeveloper and admin tools components Opeveloper ad
ī	i Satur - Erabird	1 1	iël Satur - Erabird
	Select Start Menu Folder		Select Additional Tasks
	Where should Setup place the program's shortcuts?	⊳	Which additional tasks should be performed? Select the additional tasks you would like Setup to perform while installing Firebird, then dick Next. ✓ Use the <u>Quardian to control the server?</u> Run Firebird server as: © Run as an <u>Application?</u> @ Run as a <u>Gervice?</u> ✓ Start Eirebird automatically everytime you boot up?
	English Cancel		Start Creation a utomatically everytime you book top? Vinstall Control Banel Applet? Copy Erebird client library to <system> directory? Ø Generate client library as GDS32.DLL for legacy app. support? English English</system>
		. ,	
₿	Setup - Firebird Ready to Install Setup is now ready to begin installing Firebird on your computer. Click Install to continue with the installation, or click Back if you want to review or change any settings. Destination location: C: WProgram Files WFirebird WFirebird_2_1 Setup type: Full installation of Server and development tools. Selected components: Super Server planary Developer and admin tools components Clint components Start Menu folder:	⊳	Setup - Firebird Information Please read the following important information before continuing. When you are ready to continue with Setup, click Next. Firebird 2.1.5 O Introduction O Introduction O Intended Users Korvon Issues O Features in this release (all platforms) O Installation O Reporting Bugs
	English Cancel		English
₿	JS Setup - Firebird Completing the Firebird Setup Wizard Setup has finished installing Firebird on your computer. The application may be launched by selecting the installed icons. Click Finish to exit Setup. It firebird Service now? After installation - What Next?		Installation of Solt Monitoring Program rev2.4
	< Back Einish		http://www.isolt.co.kr

3.4.1. Shortcut Icon Location

Desktop: Solt Monitoring Program



Start Menu:

Start – All Programs – Solt – Solt Monitoring Program

Solt Solt Monitoring Program Solt PC Manager Uinstall Solt Monitoring Program

Start – All Programs – Firebird 2.1



* Firebird 2.1: is Database related program, so caution is needed when you delete or change set up, Solt Monitoring Program would not operate normally.

4. Hardware Configuration

4.1. Hardware Wiring



[Hardware Connection]

- Power On by applying SR5-MIR to DC12V adapter
- (1) USB to Serial Cable connected to the PC
- ② First, RJ45 Cable connected to SR5-MIR and then, the other side is connected to the USB to Serial Cable

4.2. Communication Cable Specifications



1 USB to Serial Cable



② RJ-45 to D-SUB Cable

5. Run Program

· Click "Solt Monitoring Program" on the desktop.



6. **Menu**

6.1. [A] File

6.1.1. Setup

6.1.1.1. Port

E Solt PC Monitoring Program	🕞 Setup	Message 📃 🗙
(A) File (B) Monitoring View (C) St	Port Preference Time	Port was found
Bell Settings	PC Communication	
✓ Setup	Port 3 👻 Searching	확인
11	Delay Time 1000	

- To assign USB to Serial Cable Port that I connected to PC, Click [Searching], and then it will automatically search the right port. (It has to be connected PC and SR5-MIR to function)
- Delay time refers to speed between monitoring program and SM5-MIR, if you find problem in communication, can be fixed by expanding delay time. (ex. 3,000)



6.1.1.2. Preferance

① Backup Path : Assign backup path in Database files..



(Database File contains very important and delicate customer lists and product information, therefore, it is highly recommended to SAVE in external memories as well to avoid loss error of files by formatting computers.)

※ Backup : Database files will autmaticslly be saved in a designated route everyday, and it will be asked for backups when closing programs.

- Title1 Room Title2 Bed Main Title Solt PC Monitoring Progra 🕞 Solt PC Monitoring Program - Solt Monitoring System] C [A] File [B] Monitoring View [C] Statistics Log Data 21:08:54 Call Data Part2 -Time Room St Display Date Call Response Dealing 🚔 300-B1 21:08:45 200-T 21:08:41 21:08:53 00:00:12 200-T 16:49:57 17:45:56 00:55:59 Cancel 300-B1 16:47:32 17:45:57 00:58:25 200-T 16:47:19 16:47:37 00:00:18 200 300-B1 16:42:17 16:47:16 00:04:59 L 200-T 16:42:13 16:42:20 00:00:07
- 2 Title: Possible to change the title name of Monitoring Program

6.1.1.3. Time

 Part time setting: Can be operated part-time for a separate time zone divided (Can monitor the performance of Part by comparing Part Response Time in the environment of two shifts or three shifts)

Time			
Part 1	07:00:00	~	14:59:59
Part 2	15:00:00	~	22:59:59
Part 3	23:00:00	~	06:59:59

② Dealing time: If it exceed the preset dealing time after receiving a call signal, siren sound is generated through the PC speaker. This means that response time has elapsed.



③ Delete time: Call-confirmation screen delete time setting function



6.1.2. Bell Settings

Bell registration function for monitoring

C Solt PC Monitoring Program	n		-				
[A] File [B] Monitoring View							
✓ Bell Settings							
Setup	Add Edit D	Delete Cancel	Save	BEL	L Import	BELL Export	Delete All
	Index Bell Chip ID Key	Code Receive	Section Main dis	play Pc display(1'st) Pc display(2	'nd) Icon na	me
	000 80D586 1	0	1	100	B2	bed.bmp	
	001 80D 586 2 002 80D 586 3 003 80D 586 4	0	2	200	т	toilet.bmp empty.bmp	
	004 80D586 5 005 80D586 6	0	3 3	300 300	B1	bed.bmp empty.bmp	
① Add: Each	new calling b ng Bell Chip ID Input Key Code	ell Registr 9(6digit) and e value	ation Bell ins loca	itallation ation]	Bell Settir	igs Screen]
002 8	Bell Chip ID Ke 30D586 3	yCode Re	sceive Sec	tion T	Main disp	olay	
Calling Bell # (Auto)	1	"O": "X":	Receive No receive	Dis SR5	played-Nu 5-MIR LCE	umber in	
Pc displ 200	lay(1'st) Pc displa	y(2'nd) toilet.	Icon name	Load	J		
Colling	20	0	Bed		ime Respons 26:56 00:05:48	e Time	
(2) Edit : Chang	ging Calling B	Bell informa	ation that had	already	been re	gistered	
3 Delete : Deleti	ina Callina Be	ll informat	ion				

- (4) Cancelling Calling Bell registering work
- 5 Save: Saving calling bell information

6 **BELL Import**: Import Solt PC Manager and Solt Monitoring Program data that had been saved in Excel.

Index	Bell Chip	Key Code	Receive	Section	Main disp	Pc display	Pc display	Icon name	9	
000	94A3B1	1	0		601-1A					
001	94A3B1	2	0		601-1A					
002	94A3B1	3	0		601-2B					
003	94A3B1	4	0		601-2B					
004	94A3B1	5	0		601-3C					
005	94A3B1	6	0		601-3					<u> </u>
006	4A1287	1	0		100-T		ΙςρΜ	& Moi	nitoring	1 Excel files]
007	7986A4	1	0		100-A	-			inconing	
008	7986A4	2	0		100-A	Imports	the da	ta of th	e secoi	nd sheet "Monitoring"
N SPM Monitoring Sheet3 ?						Do not	change	e the na	ame of	the sheet because of
							impor	t by ch	ecking	sheet name)

(7) **BELL Export**: converting excel program.

Delete All: Resetting all the value code on Bell Settings

6.2. [B] Monitoring View

Call information display screen



[Monitoring View Screen]

6.2.1. Log Data

e.	Diselau	Data		Time		
οι	Display	Date	Call	Response	Dealing	
	200-T	1	11:18:39	11:18:56	00:00:17	*
	300-B1		11:16:27			
	200-T		11:16:24	11:18:16	00:01:52	
	300-B1		09:29:28			
	200-T		09:29:25			=

|--|

Call history record is a part-time basis.
If you change to the next part-time, Log data is in the DB backup and the screen is initialized.

6.2.2. Call Data

- · Current status of the received call information display
- Up to six call information can be displayed on the screen



6.3. [C] Statistics

- Calling information stored in the DB is possible to sort by date, by each part, by dealing method, by keyword search
- The sorting data is possible to convert to Excel and documented.

C (A) File (B) Monito	ring View (C) Statis	tics				_ 6
2012-06-01 3 00.0	0	Part Time All	▼ Display	Keyword		Searching To Excel
~ 2012-09-04 🗊	24:00	Dealing Methords All	-			ro znoor
Status Date	Display	Call Time	Response Time	Dealing Time	1	Number of Call
🔒 2012-09-03	300-B1	16:47:32	17:45:57	00:58:25		
2012-09-03	200-T	16:49:57	17:45:56	00:55:59		Number of Dealing 119 6
2012-09-03	200-T	21:08:41	21:08:53	00:00:12		Number Net Desfus
2012-09-03	300-B1	21:08:45				Number Not Dealing 55 5
🔒 2012-09-03	200-T	21:26:56	09:28:30	12:01:34		
🔹 2012-09-03	300-B1	21:27:02	21:27:12	00:00:10		Avg Dealing Time(s) 01:1
2012-09-03	300-B1	21:27:32	21:28:45	00:01:13		
2012-09-03	300-B1	21:29:08	21:29:12	00:00:04		
🔒 2012-09-03	300-B1	21:45:43	09:28:46	11:43:03		
🔒 2012-09-04	200-T	09:29:25	14:03:48	04:34:23		
🔒 2012-09-04	300-B1	09:29:28				
🔒 2012-09-04	200-T	11:16:24	11:18:16	00:01:52		
🔒 2012-09-04	300-B1	11:16:27	11:42:53	00:26:26		
🔹 2012-09-04	200-T	11:18:39	11:18:56	00:00:17		Chart Select
🔹 2012-09-04	200-T	11:42:45	11:42:52	00:00:07		- [
🔹 2012-09-04	200-T	11:43:04	11:44:00	00:00:56		Time O Date
2012-09-04	300-B1	11:43:08				
2012-09-04	200-T	11:44:20	11:44:30	00:00:10		

[Statistics Screen]

6.3.1. Search condition



① Select a date: Define a date range for searching

201	12-06-01 I 00:00
~	2012-09-04 IS 24:00

2 Part Time: Select a Part time for searching

Part Time	AI 👻
	All Part1 Part2 Part3

③ Dealing Methods: Response processing methods

Dealing Methords	AI 🔽
	All
)	Normal
	Pc
	Missed

- All: 'Normal' + 'PC' + 'Missed'
- Normal: Processed through the confirmation(cancel) Bell
- Pc: Confirmation processing by force at PC monitoring screen
- Missed: Unconfirmed
- ④ Display Keyword: Enter keyword to search

Display Keyword

6.3.2. **Result**

Number of Call		174
Number of Dealing	119	68 %
Number Not Dealing	55	32 %
Avg Dealing Time(s)	01:05:45	

- ① Number of Call: Total number of Received calls
- Number of Dealing: Number of Response (Number, Response rate)
- ③ Number Not Dealing: Number of Unconfirmed (Number 개수, Unconfirmed rate)
- ④ Avg Dealing Time(s): Average response time (but, does not include the unconfirmed calls)

6.3.3. Chart

