# UIC MSR 152 Demo AP User Guide (AP Develops with API)

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## Contents

Installation	. 1
Waiting for Processing	. 2
Configuration Setting	. 3
Commands setting	. 3
Manual setting	. 4
Clear (set into factory default)	. 4
Read Magnetic Data	. 5
Prefix, Suffix and Separator Configuration setting	. 6
"Transmit (Reverse) Customized Data" commands	. 8
"Cold Reset" Function	. 9
Close AP	. 9

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## **Installation**

Connect cable to a free serial port or USB port.

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The Demo AP will auto detecting reader, and you can click the "Cancel detect" button to interrupt the auto detecting. Any time, click the "Auto detect" to detect reader.

MSR152 Demo &P by &PI		
Communication Com1 - Baud9600 - 8 NONE - Port Close	Open Auto d	COM Close COM detect Cancel detect
Configuration Setting		
Configuration Setting	-	Send Cfg Cmd
Commands		
Commands	•	Send Cmd
Receive Data		
Lon port auto detecting. - PC>HSR: 9 MSR>PC : 52E00111 27-Sep-2005 Auto detecting end.		Exit AP Cold Reset Clear
Current Setting		About
Working Mode         Self-Arm Mode         Send LRC           Com Port         Com1         F/W Version         52E00111         Send SS/ES           Baud Rate         9600         Read Direction         Both direction         Working Track           Bit & Parity         8,NONE         Com. Status         On-Line         AP Setting	Not se Send Track Com1	end : 1,2 & 3 , Baud9600, 8 , NONE

If the reader has been detected, the "Some Demo" form will pop up next to AP.

SKI52 Demo AP by API	🛢 Some Demo 🛛 🔀
Communication Com1 Baud9600 8 NONE Port Close Open COM Close COM Auto detect Cancel detect	LED Test C LED ON C LED OFF C LED FLASH
Configuration Setting Configuration Setting Send Cfg Cmd	F/W Version
Commands Send Cmd	Read Direction C Insert Read C Withdraw Read
If device setting is changed, please change the 'Communication' setting of this RP accordingly.         If device setting is changed, please change the 'Communication' setting of this RP accordingly.         PC>KRS: 0penCom         MSR>PC: 52E00111 27-Sep-2005	Demo command 'Q','R','S' S/W Flow Control Transmit Auto Sensor Report
Working Mode         Self-Arm Mode         Send LRC         Not send           Com Port         Com1         F/W Version         52E00111         Send SS/ES         Send           Baud Rate         9600         Read Direction         Both direction         Working Track         Track 1.2 & 3           Bit & Parity         8.NONE         Com. Status         On-Line         AP Setting         Com1, Baud9600, 8, NONE	Ready

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Rev. A.1 2006/6/1

# Waiting for Processing

When read is in processing, please don't do anything.



## **Configuration Setting**

Select which item you want to set in "Configuration Setting" frame, and then click "Send Cfg Cmd" button.



PS: The "Auto Sensor Report" function is just support MSR152 now.

# **Commands setting**

Select which commands in the list and click "Send Cmd" button.

S MSR152 Demo AP by API	
Communication Com1 Baud9600 8 NONE Port Close	Open COM Close COM Auto detect Cancel detect
Configuration Setting	
Read EEPORM Data <re0></re0>	Send Cfg Cmd
Commands Version Report	Send Cmd
$\begin{array}{l} \hline \textbf{Receive Data} \\ \hline \textbf{D} \\ \hline \textbf{D} \\ \hline \textbf{D} \\ \hline \textbf{D} \\ \hline \textbf{C} \\ \hline \textbf{D} \\ \hline \textbf{C} \\ \hline \textbf{D} \\ \hline \textbf{C} \\ \hline \textbf{C} \\ \hline \textbf{D} \\ \hline \textbf{C} \\ \hline \textbf{C} \\ \hline \textbf{D} \\ \hline \textbf{C} \\ \hline \textbf{C} \\ \hline \textbf{D} \\ \hline \textbf{C} \\ \hline \textbf{C} \\ \hline \textbf{D} \\ \hline \textbf{C} \\ \hline \textbf{C} \\ \hline \textbf{D} \\ \hline \textbf{C} \hline \textbf{C} \\ \hline \textbf{C} \hline \textbf{C} \\ \hline \textbf{C} \hline$	XIFF>XIFF>XIFF XIFF>XIFF>XIFF F>XIFF>XIF
Current Setting         Working Mode         Self-Arm Mode         Send LRC           Com Port         Com1         F/W Version         52E00111         Send S/ES           Baud Rate         9600         Read Direction         Both direction         Working Track           Bit & Parity         8,NDNE         Com. Status         On-Line         AP Setting	Not send Send Track 1.2 & 3 Com1, Baud9600, 8 , NDNE

## Manual setting

Any command can be set directly for "Configuration Setting" & "Commands", except invisibility ASCII code, ex: 0x7F.

S MSR152 Demo AP by API	X
Communication Com1 Baud9600 8 NONE Port Close	Open COM Close COM Auto detect Cancel detect
Configuration Setting	
(SAE)	Send Cfg Cmd
Commands	
	Send Cmd
Receive Data	
PC>HSK: SAE HSR>PC: ^	<u>^</u>
PC>MSR: ColdReset	Exit AP
HSR>PC ::	Cold Reset
PC	Clear
	About
Current Setting	
Working Mode Self-Arm Mode Send LRC	Not send
Com Port   Com1   F/W Version   52E00111   Send SS/ES	Send
Bit & Parity 8,NONE Com. Status On-Line AP Setting	Com1, Baud9600, 8 , NONE

# Clear (set into factory default)

Clear all received message and set "Configuration Setting" & "Commands" into default by "clear" button.

MSR152 Demo AP by API		<b>Ľ</b>
Communication	0.001	
Com1 + Baud9600 + 8 NONE + Port Close	Upen COM	Close COM
	Auto detec	t Cancel detect
Configuration Setting		
Configuration Setting	• Se	end Cfg Cmd
Commands		
Commands	•	Send Cmd
Receive Data		
		Exit AP Cold Beset Clear About
Current Setting		
Working Mode   Self-Arm Mode   Send LRC	Not send	
Com Port Com1 F/W Version 52E00111 Send SS/ES	Send	
Baud Rate 9600 Read Direction Both direction Working Trac	k Track 1,2 &	3
Bit & Parity   8,NONE  Com. Status   On-Line  AP Setting	Com1, Baud	9600, 8 , NÓNE

# Read Magnetic Data

When reading magnetic card data, the "Show Card Data" form will pop up under AP.

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	MSR152 Demo AP by API	×	🗟 Some Demo 🛛 🔀
	Communication Com1 Baud9600 8 NONE Port Close Open COM Close COM Auto detect Cancel detect		LED Test C LED ON C LED OFF C LED FLASH
	Configuration Setting Configuration Setting Send Cfg Cmd		F/W Version
Show Card Data Card Type AAMVA Track 1 Data 32CASONORA^BORGES\$HERNAND	Commands Commands Send Cmd		Read Direction C Insert Read C Withdraw Read C Insert/Withdraw
Track 2 Data 1536014090029972=030119199911?	HSR>PC : 3XCRSONORA BORGESSHERNANDEZ"347 H JACKSON STREET"?@.636014090029972-030119199911?@ X!!94020 B 7374 PNH HS071568LK8RN D69919990111 N+#'?\$\$7!!=?T Cold Reset		Demo command 'Q'/R'/S' S/W Flow Control Transmit
Track 3 Data 2:!!94020 B 7374 PNH M507156	Current Setting	]	Auto Sensor Report Disable Ready
]	Baud Rate         9600         Read Direction         Both direction         Working Track         Track 1,2 & 3           Bit & Parity         8,NONE         Com. Status         On-Line         AP Setting         Com1, Baud9600, 8 , NONE	-	

PS: This function can be controlled by "Demo command "Q, R, S" button on screen.

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# Prefix, Suffix and Separator Configuration setting

Select "Set Track Separator" on the list and click "Send Cfg Cmd"

MSR152 Demo AP by API	X
Communication Com1 - Baud9600 - 8 NONE - Port Close	Open COM Close COM Auto detect Cancel detect
Configuration Setting	
Set Track Separator	Send Cfg Cmd
Commands	
Commands	Send Cmd
Receive Data	
	Cold Reset Clear About
Current Setting	
Working Mode   Self-Arm Mode   Send LRC	Not send
Baud Rate 9600 Read Direction Both direction Working Track	Track 1.2 & 3
Bit & Parity 8,NONE Com. Status On-Line AP Setting	Com1, Baud9600, 8 , NONE

#### Key in parameter 00~7Fh

Parameter	
Please enter hex code for parameter that you want. ex.00~7F	OK Cancel
04	

Screen show as below after read card

MSR152 Demo AP by API
Communication         Open COM         Close COM           Com1 • Baud9600 • 8 NONE • Port Close         Auto detect         Cancel detect
Configuration Setting
Set Track Separator Send Cfg Cmd
Commands
Commands Send Cmd
Receive Data
PC>HSR: Set Track Separator           HSR>PC :
Working Mode         Self-Arm Mode         Send LRC         Not send           Com Port         Com1         F/W Version         52E00111         Send SS/ES         Send           Baud Rate         9600         Read Direction         Both direction         Working Track         Track 1,2 & 3           Bit & Parity         8,NONE         Com. Status         On-Line         AP Setting         Com1, Baud9600, 8, NONE

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#### Select "Set Track 1 Prefix code" and click "Send Cfg Cmd".

#### Key in parameter 00~7Fh

MSR152 Demo AP by API	X
Communication Com1 • Baud9600 • 8 NONE • Port Close	Open COM Close COM Auto detect Cancel detect
Configuration Setting	
Set Track 1 Prefix Code	Send Cfg Cmd
Commands	
Commands	Send Cmd
Receive Data	
PC>HSR: Set Track 1 Prefix Code HSR>PC :	Exit AP
PC>HSR: ColdReset HSR>PC : :	Cold Reset
	Clear
	About
Current Setting	
Working Mode Self-Arm Mode Send LRC	Not send
Com Port Com1 F/W Version 52E00111 Send SS/ES	Send
Baud Rate 9600 Read Direction Both direction Working Track	Track 1,2 & 3
JBit & Parity   8,NUNE JLom. Status   Un-Line   AP Setting	Com1, Baud9500, 8 , NUNE

Screen show as below after read card.

MSR152 Demo AP by API	×
Communication Com1 • Baud9600 • 8 NONE • Port Close	Open COM Close COM Auto detect Cancel detect
Configuration Setting	
Set Track 1 Prefix Code	Send Cfg Cmd
Commands	
Commands	Send Cmd
Receive Data	
PC>MSR: Set Track 1 Prefix Code MSR>PC : ^	Exit AP
РС>HSR: ColdReset HSR>PC : нер>PC : нер>PC : Этокомора ворсезенериановитала и таркеом этревтора. Азалидоопродора-лаг	Cold Reset
X!!94020 B 7374 PNH H507156BLKBRN D69919990111 N+#*?\$\$?!!=?T	About
Current Setting Working Mode Self-Arm Mode Send LRC	Not send
Com Port         Com1         F/W Version         52E00111         Send SS/ES           Baud Rate         9600         Read Direction         Both direction         Working Trac           Bit & Parity         8,NONE         Com. Status         On-Line         AP Setting	Send k Track 1,2 & 3 Com1, Baud9600, 8 , NONE

# **<u>"Transmit (Reverse) Customized Data" commands</u>**

Select "Transmit (Reverse) Customized Data" and click "Send Cmd".

S MSR152 Demo AP by API	
Communication Com1 Baud9600 8 NONE Port Close	Open COM Close COM Auto detect Cancel detect
Configuration Setting	
Configuration Setting	<ul> <li>Send Cfg Cmd</li> </ul>
Commands	
Transmit Customized Data,Tk1	Send Cmd
Receive Data	
	Cold Reset Clear
Current Setting	
N Carbina Mada   Calif Arra Mada   Cand   DC	

Keying in a character in ASCII.

Parameter	
Please enter you want for parameter from 3~8 ASCII number.	OK Cancel
1	

Screen show as below.

S MSR152 Demo AP by API			
Communication Com1 Baud9600 8 NONE Port Close Open COM Auto detect Cancel detect			
Configuration Setting			
Configuration Setting   Send Cfg Cmd			
Commands			
Transmit Customized Data,Tk1			
Receive Data			
PC         WBR:         Transmit         Customized         Deter         Deter <thdeter< th=""> <thdeter< th=""> <thdeter< th=""> <t< th=""></t<></thdeter<></thdeter<></thdeter<>			
Current Setting         Working Mode         Self-Arm Mode         Send LRC         Not send           Com Port         Com1         F/W Version         52E00111         Send SS/ES         Send           Baud Rate         9600         Read Direction         Both direction         Working Track         Track 1,2 & 3           Bit & Parity         8,NONE         Com. Status         On-Line         AP Setting         Com1, Baud9600, 8, NONE			

# "Cold Reset" Function

MSR152 Demo AP by API	
Communication Com1 Baud9600 8 NONE Port Close	Open COM Close COM Auto detect Cancel detect
Configuration Setting	
Configuration Setting	Send Cfg Cmd
Commands	
Commands	Send Cmd
Receive Data	
HOR-SPC : : PC>HSR: 9 HSR->PC : 52E00111 27-Sep-2005	Cold Reset
Current Setting	Not send
Com Port         Com1         F/W Version         52E00111         Send SS/ES           Baud Rate         9600         Read Direction         Both direction         Working Trac           Bit & Parity         8,NDNE         Com. Status         On-Line         AP Setting	Send ck   Track 1,2 & 3   Com1, Baud9600, 8 , NONE

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## **Close AP**

Click "Exit" button or use " x " to close this program.

S MSR152 Demo &P by &PI	
Communication Com1 Baud9600 8 NONE Port Clos	Copen COM Close COM Auto detect Cancel detect
Configuration Setting	
Configuration Setting	Send Cfg Cmd
Commands	
Commands	Send Cmd
Receive Data	
	Exit AP Cold Reset Clear About
Current Setting	
Working Mode   Self-Arm Mode   Send	SS/ES Send
Baud Rate 9600 Read Direction Both direction Work	ing Track Track 1,2 & 3
Bit & Parity 8,NONE Com. Status On-Line AP Se	etting Com1, Baud9600, 8, NONE