

PTE0905-MSR



Version 1.0

Contents

Chapter	1	Specifications	1
Chapter	2	MSR Installation	2
Chapter	3	Utility User Guide	3
		3-1 Utility Setup	
		3-2 Select Interface	
		3-3 Firmware version	
		3-4 General setting	
		3-5 Pre/Postamble	
		3-6 Track Setting	

Chapter 1 Specifications

Basic Information	Unencrypted (Default)	Encrypted			
Card Types	Magnetic Cards as per ISO7810,	7811, AAMVA			
Read Capability	Magnetic Stripe - Triple Track of I	_ow / High coercivity			
Card Handling Method	Manual Swipe, Bi-Directional				
Card Thickness	0.76 ±0.08 mm				
LED & Buzzer	Blue/ One Beep Purple//Two Beep Red/ Three Beep	N/A			
Encryption Type	N/A	Triple DES and AES, DUKPT Key Management			
Power Requirements	5V				
OS Supported	POSready 2009 (32bits), POSre Pro, Windows 10 IoT Enterprise	ady 7 (32 & 64bits), Windows 10			
I/O Interface					
Connector Type	USB 2.0 Type A				
Interface	USB HID				
Dimension					
Dimension (L x W x H)	129.05 x 61.43 x 25.48 mm				
Housing Color	Galaxy Gray / Silver				

Chapter 2 MSR installation

- 1. Make sure the system is powered off.
- 2. Remove the right side cover of the PTE0905





3. Install the MSR into USB Type-A Connector of POS, and tighten <u>two screws</u> to fix the device (see the yellow circle below).





- 4. Make sure the USB connected and screws are fastened well.
- 5. Complete installation.



Chapter 3 Utility User Guide

3-1 Utility setup

- 1. Decompress the file: MagSwipe_Cfg_v2.3.5_A.rar
- 2. Click InstallerPackage



3. Choose setup

								X
∠ = Installe	erPackage						- u	×
File Home Sh	are View							^ 🕜
🖌 🖌 🖻	🔏 Cut		New 👔	tem 🕶 📝	📭 Open 👻	E Select all		
Pin to Quick Conv. Past	Copy path	Move Conv Delete Penan	Easy a	Recess - Properties	Edit 8	Select none		
access	Paste shortcut	to - to	folder	-	History	Invert selection		
Clipboa	ard	Organize	New	Op	en	Select		
$\leftarrow \rightarrow \cdot \uparrow \square \cdot$	80046804-009_MagSwip	e_Cfg_v2.3.5_A → InstallerPaci	cage		~	Ö Search Ins	tallerPackage	Q
	Name	^	Date modified	Type	Size			
📌 Quick access				1984	U.L.C.			
This PC	@ 0x0409		3/24/2010 7:44 AM	Configuration sett	22 KB			
Desister	Se data i		5/0/2010 11:20 AM	WINKAR JEE HIGH	10 KB			
	data1.nur		5/6/2016 11:26 AM	HDK File WinRAR 歐線線	2 883 KB			
Documents	Setun.dll		9/20/2010 10:39 AM	Application extens	566 KB			
Downloads	B		5/6/2016 11:26 AM	BIN File	1 KB			
J Music	📧 Setup		8/25/2014 6:12 PM	Bitmap image	876 KB			
Pictures	setup		5/6/2016 11:26 AM	Application	785 KB			
Videos 📑	🔄 setup		5/6/2016 11:26 AM	Configuration sett	3 KB			
🏪 Local Disk (C:)	setup.inx		5/6/2016 11:26 AM	INX File	251 KB			
┳ pm (\\192.168.0.5	5) (
Network								
Homegroup								
10 items								

4. Click "Next"



5. Click "Yes"



6. Click "Yes"



7. Click "Next"

MagSwipe Configuration Utility Setup	×
Choose Destination Location Select folder where setup will install files.	
Setup will install MagSwipe Configuration Utility in the following folder.	
To install to this folder, click Next. To install to a different folder, click Browse another folder.	and select
Destination Folder C:\\MagSwipe\MagSwipe Configuration Utility InstallShield	Browse
< Back Next >	Cancel

8. Click "Next"



9. Click "Next"

MagSwipe Configuration Utility Setup	×
Select Program Folder Please select a program folder.	Z
Setup will add program icons to the Program Folder listed below. You may type a new name, or select one from the existing folders list. Click Next to continue.	v folder
Program Folder:	
Existing Folders: Accessibility Accessibility Administrative Tools DigitalPersona SDK ESET Evernote HID MSR	
Maintenance Microsoft Office	~
InstallShield Kext >	Cancel

10. Click "Next"

MagSwipe Configuration Utility Setup	×
Start Copying Files Review settings before copying files.	No.
Setup has enough information to start copying the program files. If you want to r change any settings, click Back. If you are satisfied with the settings, click Nex copying files.	eview or t to begin
Current Settings:	
Setup will copy files now.	^
<	>
InstallShield	Cancel

11. Click Finish (Setup completed)



3-2 Select Interface

Choose the correct interface



3-3 Firmware Version

Click the "Check current reader setting"

IDTECH [®] MagSwipe Configuration Utility	serverses=cClock Current MagSwipe Settings====================================
Orange Basic Settings: General Setting Beep INTERFACE HOW TO USE HOW TO USE HSR Reading MSR Reading MSR Reading MSR Reading Ocading Method Obcoding In Bable Decoding Investid direction only Decoding Investid direction only Italian Italian Decoding Investid direction only Italian Italian Italian Italian Italian Italian Italian Defast Page	Terminator: Yer Send Ost /Fond: Send Start/End Sentinel Send All Date For Irack2. Net Send Error Indication Net Send Error Irack2. Head Error Indication Net Send Error Irack2. Final: Enciencie: Decoding In Two Swping Direction Track 17 bit encoding Start Sertinel: % Track 15 bit encoding Start Sertinel: % Track 25 bit encoding Start Sertinel: % Track 25 bit encoding Start Sertinel: % Track 25 bit encoding Start Sertinel: % Track 37 bit encoding Start Sertinel: % Track 37 bit encoding Start Sertinel: % Track 35 bit encoding Start Sertinel: % Track

3-4 General Setting

1. Change Beeper Behavior/MSR Reading function/Decoding Method, and click "send to MSR".

g Keyboard Settir	Track Setting Keybe	RS232 Parameter	Pre/Postamble	General Setting	LECT READER
Quick LOW	HIGH O Quick LOW	iH O Quick HI	low ⊙ Hig	Beep	LECT READER
		-			INTERFACE
		-			
		1		MSR Reading	IOW TO USE
	eading Enabled	MSR Rea	Disabled	MSR Reading [HIS UTILITY
	Inter-Character Delay-			Decoding Method	ECK CURRENT
10 ms	🚳 2 ms 🛛 🚳 20 ms			O Raw Data	DER SETTINGS
i0 ms	💮 5 ms 💿 50 ms		th Directions	Decoding In Bot	
100 ma	- 10 ma - 100 ma		ard direction only	O Decoding forwa	HANGE BASIC
UU IIIS			se direction only	O Decoding revers	DER SETTINGS
					NCE ADVANCED
					AGE ADVANCED
					DER SETTINGS
i0 ms 100 ms	 5 ms 50 ms 10 ms 100 ms 		ith Directions ard direction only se direction only	Decoding in Bot Decoding forwa Decoding rever	IANGE BASIC DER SETTINGS

2. Click "OK"

ID7	ECH [®] MagSwipe Configuration Utility
	Change Basic Settings: General Setting Pre/Postamble RS232 Parameter Track Setting Keyboard Setting
SELECT READER INTERFACE	Beep ○ 0FF ○ LOW ④ HIGH ○ Quick HIGH ○ Quick LOW
HOW TO USE THIS UTILITY	MSR Reading
CHECK CURRENT READER SETTINGS	The configuration settings have been written to MagSwipe device successfully!
CHANGE BASIC READER SETTINGS	Decoding forward direction only Decoding reverse direction only 10 ms 100 ms
CHANGE ADVANCED READER SETTINGS	
HELP	Default Page Help
EXIT	Send to MSR Save to File Load from File Default All Close

3-5 Pre/Postamble

1. If you want to change your track start/end sentinel, the ISO standard specification is 7 bits for Track 1, 5 bits for Track 2 and 5 bits for Track 3.

	Change Basic Settings:					
	General Setting Pre	/Postamble	RS232 Paramet	ter Trac	k Setting	Keyboard Setting
ELECT READER	- Track Start/End Sentine	ls:				
INTERFACE	Bits\Track	Track	1 Track	< 2	Track 3	
	7 Bits Start Sentinel	%	%	UD	%	
HOW TO USE	5 Bits Start Sentinel	10	INV/	LID		
THIS UTILITY	End Sentinel	?	?		?	
		Output S	itring	N	on-Printable	Characters
	Track 1 Prefix		0.10.00			-
ADED SETTINGS	Track 1 Suffix				ř—	
ADERIOLITINGO	Trook 2 Profix					
	Track 2 Coffee					
CHANGE BASIC	Track 2 Sumk					
ADER SETTINGS	Track 3 Pretix					-
	Track 3 Suffix					
ANGE ADVANCED	Preamble					_
ADER SETTINGS	Postamble					-
ADEITOETTINGO					1	

2. There are the settings for prefix and suffix which can be based on your own preferences, and then click "send to MSR".

Track Start/End Sentinels: Bits\Track 7 Bits Start Sentinel	Track 1		lack setting	Reyboard Setting
Bits\Track 7 Bits Start Sentinel	Track 1	1		
7 Bits Start Sentinel	I HOOK I	Track 2	Track 3	
	%	%	%	
6 Bits Start Sentinel	%	INVALID	1	
5 Bits Start Sentinel	2	2	2	<u> </u>
Lawsen	Order & String		Non Printable	Character
Terels 1 Decfu	Output Stilling		NOTE TRUE	Characters
Track 1 Suffix				
Track 2 Prefix			_	
Track 2 Suffix				
Track 3 Prefix				•
Track 3 Suffix			-	-
Preamble			-	•
			-	
Postamble				
	Track 1 Prefix Track 1 Prefix Track 2 Prefix Track 2 Suffix Track 2 Suffix Track 3 Prefix Track 3 Prefix Track 3 Suffix Preamble	Disis Stall Sertimen P. End Sentinen P. Output String Track 1 Prefix Track 2 Prefix Track 2 Suffix Track 3 Prefix Track 3 Suffix Preamble	Dists Statt Sertifien . End Sertifien ? Output String Track 1 Prefix Track 2 Prefix Track 2 Suffix Track 3 Prefix Track 3 Suffix Preamble	Dist Stall Sertifier . . . End Sertifier ? ? Output String Non-Printable Track 1 Prefix

3. Click "OK"

IDT	ECH [®] MagSwipe Configuration Utility
	Change Basic Settings:
	General Setting Pre/Postamble RS232 Parameter Track Setting Keyboard Setting
SELECT READER	Track Start/End Sentinels:
INTERFACE	Bits\Track Track 1 Track 2 Track 3
	7 Bits Start Sentinel % % %
	6 Bits Start Sentinel % INVALID !
THIS LITILITY	End Sentinel ? ? ?
CHECK CURRENT READER SETTINGS	Track 2 Suffix
READER SETTINGS	Track 3 Prefix
	Track 3 Suffix
	Preamble
BEADER SETTINGS	Postamble
HELP	Default Page Help
EXIT	Send to MSR Save to File Load from File Default All Close

3-6 Track Setting

1. The default is "Any Track", but you can choose the number of tracks what you need, and then "send to MSR".

IDT	ECH [®] Mag.Swipe Configuration Utility
	Change Basic Settings:
SELECT READER INTERFACE HOW TO USE THIS UTILITY	General Setting Pre/Postamble RS232 Parameter Track Setting Keyboard Setting Track Select Any Track Track1 Only Track2 Only Track1 And Track2 Track3 Only Track1 And Track3 Track2 And Track3 All Three Tracks Track1 Or Track2 Or Track2 Or Track3
CHECK CURRENT READER SETTINGS	Send Start/End Sentinel Send LRC in Card Data Send Error Indication Send Error Indication
CHANGE BASIC READER SETTINGS	Track Separator. Vor. Non-Printable Char. Terminator. Vor. Vor.
HELP	Default Page Heb
EXIT	Send to MSR Save to File Load from File Default Al Close

2. Click "OK"

IDT	ECH [®] MagSwipe Configuration Utility
	Change Basic Settings: General Setting Pre/Postamble RS232 Parameter Track Setting Keyboard Setting
SELECT READER INTERFACE	Track Select
HOW TO USE THIS UTILITY	Track1 And Track2 Track3 Only Track1 And Track3 Track2 And Track3 All Three Tracks Track1 Or Track2 Track2.0r Track3
CHECK CURRENT READER SETTINGS	The configuration settings have been written to MagSwipe device successfully!
CHANGE BASIC READER SETTINGS	Track Separator: Cr Non-Printable Char:
CHANGE ADVANCED READER SETTINGS	Default Page Help
HELP	Send to MSR Save to File Load from File Default All Close
EXIT	