

RMS-ACS-DCR USB card reader

User Manual

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Table of contents

1	Introduction	.4
2	Connect USB card reader (RMS-ACS-DCR)	.4
3	Driver installation	.4
4	Install application for USB card reader "ID Microserver 2"	.5
5	Running the software for the first time	.6



1 Introduction

Desktop USB card reader for the 125kHz frequency range, sometimes called "Low Frequency" or "LF". This USB card reader is powered by your PC via USB cable (included). The supported card formats are EM Marin and HID Prox. It is necessary to use the "ID Microserver 2" application with this USB card reader.

2 Connect USB card reader (RMS-ACS-DCR)

Connect the USB card reader to your PC using Windows OS. Then check if your operating system found the driver for the USB card reader. If you already have an OS-installed driver, skip the part about driver installation.

3 **Driver installation**

Open zip file from CD or download it from the Conteg website (*RMS-ACS-DCR.zip*) Run driver installation wizard "**CDM v2.08.30 WHQL Certified.exe**"

When you begin the setup program follow the onscreen instructions. Use the following screen shots for guidance.



After the installation process has finished its initialization, the installation wizard will begin.

Click "Extract" to continue or "Cancel" to leave the installer.



Click "Next" to continue.





Device Driver Installation Wizard					
	Completing the Device Driver Installation Wizard				
	The drivers were successfully installed on this computer.				
	You can now connect your device to this computer. If your device came with instructions, please read them first.				
	Driver Name Status				
	FTDI CDM Driver Packa Ready to use FTDI CDM Driver Packa Ready to use				
	< Zpět Dokončit Stomo				

To continue with the installation process, click "Finish".

The driver is now installed, and it is now possible to install the application for RMS-ACS-DRC

4 Install application for USB card reader "ID Microserver 2"

The application called "ID Microserver 2" can read the cards in a required/configured format. In default is application configured to be use with Conteg Pro Server.

Open zip file from CD or download it from the Conteg website (*RMS-ACS-DCR.zip*). Open the installation package "**idmicroserver2_setup.msi**" and follow the instructions.







5 Running the software for the first time

After the installation is completed, you can open the program. The program dictates how to read each card and is preconfigured.

ID Microserve	ID Microserver 2 Application							
					Curre	nt status		
					Application server	Stopped		
File	Start	Help						
Configuration	Application se	rver status						
Applica	tion		COM Port:	COM2				
Reader	S CS-DCP		COM Port.		•			
	-ACS-DCK		Card type:	EM	•			
			🔽 User data form	nat				
			First data bit:	0		8		
			Last data bit:	23				
			🔲 Crosspoint	code interpretati	on disabled			
			🔲 Reverse da	ta bytes (000000	010412D123 > 00000023D	1120401)		
			🔲 Single nibb	le bits mirroring	(000000010412D123 > 000	0000080284B84C)		
			📃 Single byte	nibbles mirroring	g (00000010412D123 -> 0	0000001040211D32)		

It is first necessary to select a COM port number, which is shown below. The picture shows the reader is assigned to COM 10.

ID Microserver 2 Application								
					Cur	rent status		
					Application server	Stopped		
File	Start	Help						
Configuration	Application se	rver status						
Applicat	tion 5		COM Port:	COM10	Ŧ			
	-ACS-DCR		Card type:	COM10 COM3				
			🔽 User data form	nat				
			First data bit:	0		8		
			Last data bit:	23	▲ ▼			
			Crosspoint	t code interpretati	ion disabled			
			🔲 Reverse da	ata bytes (000000	010412D123 > 00000023	D1120401)		
			📃 Single nibb	ole bits mirroring	(00000010412D123 > 0	0000080284B84C)		
			🔲 Single byte	e nibbles mirrorin	g (000000010412D123 ->	0000001040211D32)		

After you select a COM port number, click on "Start". See picture below.

🔲 ID Microserv	er 2 Application					<u> </u>
					Curre	nt status
Tile .	Ctart				Application server	Stopped
File	Start	нер				
Configuration	Application ser	ver status				
Applica	ition s		COM Port:	COM10	•	
RM:	S-ACS-DCR		Card type:	EM	•	
			🔽 User data form	nat		li i i i i i i i i i i i i i i i i i i
			First data bit:	0		8
			Last data bit:	23		
			🔲 Crosspoint	code interpretati	ion disabled	
			🔲 Reverse da	ta bytes (000000	010412D123 > 00000023D	1120401)
			🔲 Single nibb	le bits mirroring	(00000010412D123 > 000	0000080284B84C)
			🔲 Single byte	nibbles mirrorin	g (000000010412D123 -> (0000001040211D32)

Next time you open this application, it will automatically start running and be minimized in tray.

ID Microserve	er 2 Application						_ □	×
					Current s	tatus		
	-			Ar	pplication server R	unning		
File	Stop	Help						
Configuration	Application se	rver status						
Co	onnected client	ts		N	Messages			
			*	09.01.2014 16:09:46,400;Information 09.01.2014 16:09:45,857;Information 09.01.2014 16:09:45,857;Information 09.01.2014 16:09:45,857;Information 09.01.2014 16:09:45,837;Information 09.01.2014 16:09:43,361;Information 09.01.2014 16:09:43,225;Information 09.01.2014 16:09:43,222;Information 09.01.2014 15:57:32,349;Information 09.01.2014 15:57:32,349;Information 09.01.2014 15:57:32,349;Information 09.01.2014 15:57:32,349;Information 09.01.2014 15:57:32,349;Information 09.01.2014 15:57:32,349;Information 09.01.2014 15:57:32,349;Information 09.01.2014 15:57:32,549;Information 09.01.2014 12:03:15,965;Information 09.01.2014 12:03:15,965;Information 09.01.2014 12:03:15,945;Information	a;USBREM02SerialConnector a;LocalReaderServer2;Rur b;LocalReaderServer2;Thr b;USBREM02SerialConnector b;LocalReaderServer2;Sta b;LocalReaderServer2;Sta b;LocalReaderServer2;Thr	pr;RMS-/ ning read stror;Open arting opped or;Close read stro or;RMS-/ or;Open ning read stra arting opped or;Close read stra arting opped stra arting opped stra arting opped stra arting stra arting read stra arting stra attra a	ACS-DCR: arted ppped ACS-DCR: arted ppped	08 × E 08
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Test it and make sure the program can read the card. Swipe a card over the reader until you hear a beep. The program will then show up on the Card ID. See picture below.

ID Microserver 2 Application								
						Current status		
				Application server Running				
File	Stop	Help						
Configuration	Application se	rver status						
Co	onnected client	ts		Messages				
0006030949			*	<pre>09.01.2014 16:22:32,822;Information;USBREM02SerialConnector;Card read (0000 09.01.2014 16:22:29,711;Information;USBREM02SerialConnector;RMS-ACS-DCR: 08 09.01.2014 16:22:29,170;Information;USBREM02SerialConnector;Open 09.01.2014 16:22:29,170;Information;LocalReaderServer2;Running 09.01.2014 16:22:29,170;Information;LocalReaderServer2;Starting 09.01.2014 16:22:29,136;Information;LocalReaderServer2;Starting 09.01.2014 16:14:27,939;Information;LocalReaderServer2;Stopped 09.01.2014 16:14:27,816;Information;LocalReaderServer2;Stopped 09.01.2014 16:14:27,816;Information;LocalReaderServer2;Thread stopped 09.01.2014 16:14:27,812;Information;LocalReaderServer2;Thread stopped 09.01.2014 16:14:27,781;Information;LocalReaderServer2;Stopping 09.01.2014 16:09:45,857;Information;LocalReaderServer2;Running 09.01.2014 16:09:45,857;Information;LocalReaderServer2;Thread started 09.01.2014 16:09:45,857;Information;LocalReaderServer2;Stoppen 09.01.2014 16:09:45,857;Information;LocalReaderServer2;Stoppen 09.01.2014 16:09:45,857;Information;LocalReaderServer2;Stoppen 09.01.2014 16:09:45,857;Information;LocalReaderServer2;Stoppen 09.01.2014 16:09:45,357;Information;LocalReaderServer2;Stopped 09.01.2014 16:09:45,357;Information;LocalReaderServer2;Stopped 09.01.2014 16:09:43,235;Information;LocalReaderServer2;Stopped 09.01.2014 16:09:43,235;Information;LocalReaderServer2;Stopped 09.01.2014 16:09:43,235;Information;LocalReaderServer2;Stopped 09.01.2014 16:09:43,225;Information;LocalReaderServer2;Thread stopped 09.01.2014 16:09:43,225;Informatio</pre>				
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Now the application is running and can read the administration card for the Conteg Pro Server.

