



MANUAL

OBID myAXXESS[®] Manager

Software Description

	P								
er [[Doors Time Zones Holiday								Door Data
lo.	Door	Description	IP Address	Relay dwell time	IDD idle time	Trigger	Reader active ti	Antennas	Number :
	Main Entrance	Building D	192.168.3.135	1.0	30		0	1	Reader: search
	Entrance Development OBID		192.168.3.137	1.0	30		0	1	Reader: search
	Entrance Production	Building D, 1st Floor	192.168.3.138	1.0	30		0	1	
	Entrance Sales OBID	Building A, 2nd Floor	192.168.3.253	1.0	30		0	1	Trigger active time: s
									Antenna count:
									Door name :
									Description/Location :
									Relay dwell time: 0.1 - s
									IDD idle time: s
									Get IDD table from reader

Version 01.00.00

for Windows[®] Vista/7/8/8.1 (32/64-Bit)





final – public (B) 2014-08-04 – H40710-0e-ID-B

Note

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1. Introduction

The following document gives a detailed description of the software OBID myAXXESS[®] Manger. It shows how a database project can be generated, edited and programmed to an access control reader.

The Software OBID myAXXESS[®] Manager is a desktop application designed for an easy management of small access control projects. Using the free software OBID myAXXESS[®] Manager, user data and access parameters can be easily administrated on a PC and transferred to the access control reader by using a temporary network connection. After the transfer of user data, the access control reader can run offline as a stand-alone device.

The software offers an easy generation and management of door tables, user tables and holiday tables. Further up to 5 independent time zones can be generated. The time zones can be used for an assignment of individual access rights to different kind of users.

If you have any questions concerning this program, FEIG ELECTRONIC GmbH will be happy to provide you with additional information.

Note:

The program uses UDP multicasts. Please make sure that there are no restrictions from your firewall.

1.1. Supported Reader Types

The Software OBID myAXXESS[®] Manager supports the UHF based long range system ID MAX.U1002 for use in vehicle access control applications as well as the HF based door reader ID MAX.50.10. Both access control readers are available in different versions.

Reader	Description	Order No.
ID MAX.50.10-RE	HF based access control reader for use in industrial and commercial installations as a part of a complex access control system with widely distributed access points as well as single doors in small and medium-sized installations. Supports up to 9000 different users. Version with integrated relay suitable for the control of doors with medium security requirements.	3434.000.00
ID MAX.50.10-E	HF based access control reader for use in industrial and commercial installations as a part of a complex access control system with widely distributed access points as well as single doors in small and medium-sized installations. Supports up to 9000 different users. Supports the external I/O Extension Board ID CPR.I/O-A with 2 digital inputs and one relay. The external relay ensures maximum security, as it can be placed inside the area to be secured.	3505.000.00
ID MAX.U1002-EU	UHF Long Range Reader based solution for use in vehicle access control applications. Supports up to 1000 different users. Designed for use within the European frequency band between 865 MHz – 868 MHz.	4292.000.00
ID MAX.U1002-FCC	UHF Long Range Reader based solution for use in vehicle access control applications. Supports up to 1000 different users. Designed for use within the FCC frequency band between 902 MHz and 928 MHz.	4293.000.00

2. Installation

System Requirements

Windows Vista with Service Pack 2 (32/64Bit) or Windows® 7 (32/64Bit), Windows 8 (32/64Bit) or Windows 8.1 (32/64Bit)

OBID myAXXESS[®] Manager can only be installed on a computer using the supplied setup program. Start the installation program SETUP.EXE and follow the instructions.

Note:

The setup program does not update an earlier version of OBID myAXXESS Manager. The new OBID myAXXESS Manager can be installed parallel to older versions.

Under Windows® Vista and Windows® 7 or 8 the corresponding administrator rights are required. Check with your network administrator if needed.

The .NET Framework 4.0 is part of the setup file. If it is not installed already on the target device it will be installed. This may take several minutes.

3. First steps

After installation the software can be started by double click the application myAXXESSManager.exe. When started for the first time the program opens and a popup appears which suggests you to generate a new database project.

abase project	23
try key not found!	
e create a new database project.	
Create a new database project	
close programm	

Click the button "Create new database project" and select the folder in which the database should be saved. Afterwards the window "System configuration" will occur. Here you can do the basic settings of the new database project.

🖳 System configurat	tion	x
Please select the n	eader type for this project	
You cannot chang		
ID MAX50		
	2 Region: FCC: America	-
IDD Length	12	
Select Reader		
Selected Reader	for IDD reading	
Model	ID MAX.U1002	
Device ID	300054808	
MAC Address	00-1C-9B-0A-00-B3	
DHCP		
Reader IP	192.168.3.135 Port 10001	
Subnet Mask	255.255.0.0	
Gateway	192.168.3.1	
	Save Cancel	

In the first step select the used access control reader for this application. You can choose between ID MAX.50 and ID MAX.U1002. If ID MAX.U1002 is selected it will be necessary to choose the region in which the access control system should be installed. This is necessary to configure the access control reader to the correct frequency and power settings.

NOTE:

The selection of the reader can only be done once for each project. It cannot be changed afterwards. If the wrong selection was made a new project must be created.

The region must be selected in accordance with national radio law.

The selection of the region is applicable for all access control readers managed in this database project.

By clicking the button "Select Reader" you can choose a reader from the network which shall be used to read the IDD of a transponder when a new user is added to the table. A popup will occur which shows you a list of all readers connected to the network. This is an optional feature and can contribute to learn in new transponders much faster and more reliable than typing it in manual.

🚽 Select Reader						×
Model	Device ID	Mac Address	DHCP	IP Address	Subnet Mask	Gateway Address
ID MAX.U1002	300054808	00-1C-9B-0A-00-B3		192.168.3.135	255.255.0.0	192.168.3.1
ID MAX.U1002	300054749	00-1C-9B-0A-00-FB	X	192.168.3.253	255.255.2	192.168.3.1
					Apply	Cancel

By clicking the button "Save" the basic configuration is done. Now you are guided into the program and can generate the required doors, users, time zones and holiday lists.

It is recommended to setup a project in the following way:

- 1. Setup all doors in the table "Doors" (see 4.2. Table "Doors")
- 2. Setup the required time zones in (see 4.3. Table "Time zones")
- 3. Setup the Holiday table (see 4.4. Table "Holiday")
- 4. Setup the User table (see 4.5. Table "User")
- 5. Program the tables to the access control readers (see 4.1.3. Menu "Programming")

4. Program Description

In the program a toolbar is available which can be used to create new datasets, store already existing datasets, search for users and program data to the connected readers. For management of users, doors, time zones and holiday lists four different tables can found and edited:

- In the **User** table the access rights for all users can be managed
- In the **Doors** table all access control readers can be managed
- The table **Time Zones** offers the possibility to manage 5 different time zones for individual access rights
- The table **Holiday** offers the possibility to generate a list of holidays. For all defined holidays access is denied except unlimited access is assigned to a user

	OBID myAXXESS Manager V1.0 - ID MAX.U1002 - C:\Users\daniel.bueth\Desktop\test\MAXU1002_test.sql						- D - X				
	X P 🔊	2									
	Doors Time Zones	Holiday									User Data
	Last Name	First Name	IDD	Group	blocked	Time Zones	Main En	Entranc	Entranc	Entrar	Last Name:
	Last Hamo	The Hand		Circup	2100100	Time Londo		Entrano	210010		First Name:
											rist Name:
I											IDD : read
											Group
											blocked Select door
											Doors:
										_	No. Door
											unlimited access
											Zeitzone1 Zeitzone2
											Zeitzone3 Zeitzone4
											Zeitzone5
											Save

4.1. Toolbar

4.1.1. Menu "File"

The menu "File" provides basic functionalities. Clicking the button "New" will create a new database project. "Open" offers the possibility to restore an already existing database project. Clicking "Exit" closes the software OBID myAXXESS[®] Manager.



4.1.2. Menu "Edit"

By means of the menu "Edit" the content of the different tables can be modified. New datasets can be generated, already existing datasets can be deleted. In addition a search functionality is supported for the User table.

File	Edit	Programming	Extras	Ansicht	Info
+>	+	Add New Entry	Strg+A		
User	×	Delete			
Nr.	P	Search	Strg+S		IDD

4.1.3. Menu "Programming"

By selection of the option "Write to reader" the generated tables can be transferred to the connected access control readers.



A popup window opens which shows a list of all doors defined in the project. It can be selected which doors shall be programmed. The user table, time zone table and holiday table will be transferred to the selected reader when the button "Start programming" is pressed. The column "End-Status" gives an indication whether programming of the access control reader was successful or not. If an error occurs the column "Status" will give you further information about the error.

b .	Door	Description	IP Address	Status	End-Statu:
1	Main Entrance	Building D	192.168.3.135	disconnected	OK
2	Entrance Devel	Building D, 2nd Floor	192.168.3.137	connecting failed	FAILED!
3	Entrance Produ	Building D, 1st Floor	192.168.3.138	disabeld	
4	Entrance Sales	Building A, 2nd Floor	192.168.3.253	disabeld	

4.1.4. Menu "Extras"

The menu "Extras" provides different settings for reader configuration and the appearance of the Software OBID myAXXESS[®] Manager. By means of the Network Configuration the Network settings of all connected readers can be adjusted. System Configuration provides the basic settings of the project. Language offers the possibility to switch the program language between German and English.

File	Edit	Programming	Extras	View	Info	
:+>	(ک	\mathbf{O}	Ne	twork C	onfiguration	
User	Doors	Time Zones Hol	Sy	stem Co	nfiguration	- L
No.	Last N	lame	La	nguage		<u> </u>

4.1.4.1. Network Configuration

The Network Configuration shows you a list of all connected access control readers in the network. Detailed information like the Device ID, MAC Address and the basic network settings are displayed. By marking one access control reader from the list and clicking the button "Edit" the network settings of the selected reader can be changed. A popup arises which offers the possibility to enable / disable DHCP, change the IP Address, the Subnet Mask and the Gateway Address. By clicking the Button "Write to reader" the window is closed and the new settings are transferred to the reader. An automatic reboot of the reader is performed. Afterwards the new network settings are displayed in the list of all connected readers.

Model	Device ID	Mac Address	DHCP	IP Address	Subnet Mask	Gateway Address
ID MAX.U1002 ID MAX.U1002	300054749 300054808	00-1C-9B-0A-00-FB 00-1C-9B-0A-00-B3	Х	192.168.3.253 192.168.3.135	255.255.255.0 255.255.0.0	192.168.3.1 192.168.3.1
		Edit Reader			<u>x</u>	
		Model:	ID MAX.U10	02		
		MAC Address:	00-1C-9B-0A	1-00- <mark>B</mark> 3		
		Device ID:	300054808			
		DHCP				
		IP Address	192.168.3.1	35	change	
		Subnet Mask	255.255.0.0		change	
		Gateway Address	192.168.3.1		change	
		Write to Reader		Cancel		

4.1.4.2. System Configuration

In the System Configuration the basic settings of the new database project can be modified. It is not possible to change the selected reader model again. Only the region settings can be adjusted.

NOTE:

The region must be selected in accordance with national radio law.

The selection of the region is applicable for all access control readers managed in this database project.

By clicking the button "Select Reader" you can choose a reader from the network which can be used to read the IDD of a transponder when a new user is added to the table. A popup will occur which shows you a list of all readers connected to the network.

🖳 System configurati	ion X
Please select the re	ader type for this project
You cannot change	
ID MAX50	
	Region: FCC: America 👻
IDD Length	12
Select Reader	
Selected Reader	for IDD reading
Selected header	for 100 reading
Model	ID MAX.U1002
Device ID	300054808
MAC Address	00-1C-9B-0A-00-B3
DHCP	
Reader IP	192.168.3.135 Port 10001
Subnet Mask	255.255.0.0
Gateway	255.255.0.0
	Save Cancel

4.1.5. Menu "View"

In the menu "View" the size of the program window can be set back to default.

File	Edit	Programming	Extras	View	Info	
:+>	< P	\mathbf{b}		S	et default size	
	-					_

4.1.6. Menu "Info"

The menu "Info" provides additional information about the software.

🖳 About	
Name :	myAXXESS Manager
Version :	1.0.0 Copyright © 2014 by FEIG ELECTRONIC GmbH
	www.feig.de
	Qose

4.2. Table "Doors"

By means of the table "Doors" all connected access control readers can be managed and assigned to a specific door / location.

O OBIC	D myAXXESS Manager V1.0 - I	D MAX.U1002 - C:\Users	\daniel.bueth\Desl	ctop\test\MAXU100	2_test.sql						- • ×
File	Edit Programming Extr	as View Info									
÷+>	< 🔎 🕑										
User	Doors Time Zones Holiday								Door Data		
No.	Door	Description	IP Address	Relay dwell time	IDD idle time	Trigger	Reader active ti	Antennas	Number :	2	
1	Main Entrance	Building D	192.168.3.135	1.0	30		0	1			
2	Entrance Development OBID	Building D, 2nd Floor	192.168.3.137	1.0	30		0	1	Reader:	192.168.3.137	search
3	Entrance Production	Building D, 1st Floor	192.168.3.138	1.0	30		0	1			
4	Entrance Sales OBID	Building A, 2nd Floor	192.168.3.253	1.0	30		0	1	Trigger	active time: 0 s	
									Antenna count:	1 •	
									Door name :	Entrance Development OBID	
									Description/Loca	tion :	
									Building D, 2nd F	Floor	
									Relay dwell time:	1.0 🔻 s	
									IDD idle time:	30 s	
									TO Didio dillo.	50 8	
										Get IDD table from reader	
										Save	

NOTE:

It is recommended to create the door table in the first step when a new project is setup!

To create a new door please activate the door table and click the green "plus" in the toolbar. As an option you can also select Menu "Edit" -> "Add new entry". Mark the new generated dataset. At the right side of the window you can select the readers IP address. You can either type it in manually or click the button "Search". A window will open which shows you all available access control readers connected to the network which fit the selection of the reader type for the current project.

Model	Device ID	Mac Address	DHCP	IP Address	Subnet Mask	Gateway Address
D MAX.U1002	300054769	00-1C-9B-0A-00-F3		192.168.3.138	255.255.0.0	192.168.3.1
D MAX.U1002	300054740	00-1C-9B-0A-00-FF		192.168.3.137	255.255.0.0	192.168.3.1
D MAX.U1002	300054808	00-1C-9B-0A-00-B3		192.168.3.135	255.255.0.0	192.168.3.1
D MAX.U1002	300054749	00-1C-9B-0A-00-FB	X	192.168.3.253	255.255.255.0	192.168.3.1

A "Door name" can be assigned and an additional "Description / Location" can be entered. Further the "Relay dwell time" can be configured. This is the length of the pulse generated to open a door. The IDD idle time defines the time how long an ID will be ignored by the reader after it was read and access was granted. If ID MAX.U1002 is the used reader type an external "Trigger" can be activated. If an external trigger is enabled the RF of the reader switched off until the trigger signal rises. Afterwards the RF stays on for the duration of the configured "active time". In addition ID MAX.U1002 supports the connection of up to two antennas. The number of connected antennas can be defined by the parameter Antenna count.

NOTE:

All changes done for a door must be confirmed by a click on the button "Save".

4.3. Table "Time zones"

The software OBID myAXXESS[®] Manager supports the configuration of up to 5 different time zones with individual access permissions. Therefore 5 different time zones are already pre-defined and can be edited. It is possible to edit a name for the time zone. Next to this the days of a week can be defined at which this time zone should be active. Finally the start time and the end time for the access permission can be defined.

E	dit Programming Extras	View Int	fo										
	₽ 💽												
	oors Time Zones Holiday										Time Table Data		
	Name	Mon	Thu	Wed	Tur	Fri	Sat	Sun	Start Time	End Time	Number :	1	
	Weeksdays - Moming shift	X	X	X	X	X			06:00:00	14:00:00	Number .		
	Weeksdays - Late shift	Х	х	х	х	х			14:00:00	22:00:00	Name :	Weeksdays - Moming shi	ft
	Weeksdays - Night shift	х	х	х	х	х			22:00:00	06:00:00			
	Weekdays 24 h	х	X	X	х	х			00:00:00	23:59:00			
	Weekend 24 h						х	X	00:00:00	23:59:00			
											Monday	Tuesday	Wednesda
											Thursday	V Friday	Saturday
												riudy	Saturday
											🔲 Sunday		
											Start Time	06:00:00 🚖	
											Start Time	00.00.00	
											End Time	14:00:00 🗢	

NOTE:

To enable a time zone at least one day of the week must be selected. By default all 5 predefined time zones are disabled.

All changes done for a time zone must be confirmed by a click on the button "Save".

4.4. Table "Holiday"

The holiday table offers the possibility to define different holidays. At a holiday access is denied for all users except the ones which are marked with the property "unlimited access".

OBID :	myAXXESS Manager V1.0 - ID MAX.U1002 - C:\Use	ers\daniel.bueth\Desktop\test\MAXU1002_test	tsql		
File I	Edit Programming Extras View Info				
+ x	P D				
	Doors Time Zones Holiday			Holiday Data	
No.	Name	Date		1	
110.	New Year's Day	2015.01.01		Number :	1
2	Christmas Eve	2015.12.24		Number .	
3	Christmas Day	2015.12.25		Name :	New Year's Day
4	Boxing Day	2015.12.26			
5	New Year's Eve	2015.12.31			
					Donnerstag, 1. Januar 2015 🗐 🔻
					Save

To add a holiday please activate the holiday table and click the green "plus" in the toolbar. As an option you can also select Menu "Edit" -> "Add new entry". Mark the new generated dataset and type in the name and the date of the holiday.

NOTE:

A holiday cannot be marked as annual. For annual holidays e.g. Christmas Day an own holiday must be created every year.

All changes done for a holiday must be confirmed by a click on the button "Save".

4.5. Table "User"

The user table offers the possibility to create new users and manage their access rights at the doors defined in the door table.

ie - >		iing Extras View	002 - CAUsers/daniel bueth/Desktop/ite Info								User Deta	
	Lad None Public Doe Sample Average	First Name John G. John Sam Jane	100 0000000000000000000000000000000000	Ginub CEO Development Production - Ngire ant Sales	blocked	Time Zones unimited 1+2 3 1+2	Man Ertrance X X X X X	Entrance Development X X X	Steve Rolution	Stopos Sales X X	Lat None. Fint Name. DDO - Group Dischert Nam. Door	Seite due
											arininta socras Werkstare Mercing al-R Windostare Mercing al-R Windostare Trajet al-R Windostare Trajet al-R Windosid 2415	Westaday - Las vill Westaday 245

To add a new user please activate the user table and click the green "plus" in the toolbar. As an option you can also select Menu "Edit" -> "Add new entry". Mark the new generated dataset and type in the user information.

For personalization the first name, last name and a Group can be stored for the user. The IDD of the users transponder can either be typed in manually or automatic read by click on the button "Read". After clicking the read button a popup occurs which requests you to present a transponder to the antenna of the reader selected in the system configuration.

In the next step the doors can be selected at which access shall be granted to the user. Therefore please click the button "Select door...". A popup comes up which shows you a list of "All doors" defined in the project in the left table of the window. You can mark one or more entries and "ADD" them to the table of "Access authorized doors". In the same way you can delete doors from the access authorized doors table. Just mark the door in the table "Access authorized doors" and click the button "DELETE".

ors			Access	s Authorized Doors
).	Door		No.	Door
	Main Entrance		1	Main Entrance
	Entrance Development	ADD >>		
	Entrance Production	ADD >>		
	Entrance Sales			
		<< DELETE		
_				

NOTE:

All changes done for the table "Access authorized doors" must be confirmed by a click on the button "Save".

Finally time zones can be assigned to a user. The user will only have access to the selected doors if one of the user assigned time zones is valid. Multiple assignments are possible.

If a user shall not have access anymore e.g. employee has left the company or the resident of an apartment has moved the user can be blocked or deleted from the user table.

User Data									
Last Name:		Public							
First Name:		John Q.							
IDD :		0000000000BEDC0000BC2 read							
Group		CEO]				
blocked					ct door				
Doors:				L					
No.	Door								
1	Main E	intrance							
2	Entran	ce Developmen	t						
3		ce Production							
4	Entran	ce Sales							
-									
Unlimite									
Weeks	sdays - N	Noming shift	Weeks	sdays - Lat	te shift				
Weeks	sdays - N	light shift	Weeko	days 24 h					
🔲 Weeke	end 24 h								
		S	ave						

NOTE:

All changes done for the table "User" must be confirmed by a click on the button "Save".

5. Known Issues

a. Table user:

It is necessary to assign the doors at which access is granted to a user before a time zone can be assigned.



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