



Installation Instructions

WINMAG plus



P03140-26-0G0-01

2019-08-19

**Software version
V06.1**

Subject to change
without notice

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Symbols

This manual contains the following symbols that refer to sections of special importance:



Denotes important information on procedures and warns against steps that have serious consequences



Indicates important information on a particular topic, a procedure and other important information.



Denotes important information on the installation.



Tips on programming/installation as per the directives of the VdS (German Association of Property Insurers).

1. Introduction

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The software described in this manual is licensed in accordance with Novar GmbH terms and conditions of sale and shall only be used and copied in accordance with the provisions of this license. No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical without the written permission of Novar GmbH.

The information contained in this manual can be updated by us at any time without prior notice and shall not be regarded as binding. Novar GmbH accepts no obligation or liability should errors or inaccuracies occur in this manual.

Please note that, in spite of extensive tests, we cannot guarantee faultless functioning of your system due to the numerous hardware manufacturers and the possible resulting hardware configurations.

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The WINMAG plus-documentation consists of the following documents:

- Installation Instructions (P03140-26)
- Operating Instructions(P03140-03)
- Programming Instructions (P03140-05)
- Technical description WINMAG plus - SIAS commands overview (P03126-15)
- Lists of the I/O device and tables for WINMAG plus (P03140-24) with tables of the types of I/O device, symbols, alarm types.
- Interface description / Driver documentation (P03140-39) with the description of the drivers for coupling the various networks.

The documentations are stored as PDF files in the WINMAG plus directory and can be recalled and printed, if required.



For reading/printing of the documentation (PDF files) a PDF reader (for example, Acrobat Reader) must be installed on the computer/laptop.

2. System requirements

2.1 Operating system (64bit only)

- Microsoft Windows 10 (only Pro or Enterprise Edition)
- Microsoft Windows 8 / 8.1 (no RT Editions)
- Microsoft Windows Server 2019 (no Essentials Editions or OEM version)
- Microsoft Windows Server 2016 (no Essentials Editions or OEM version)
- Microsoft Windows Server 2012 / Server 2012 R2 (no Foundation Editions)
- Microsoft Windows 7 (no Home Editions)
- Microsoft Windows Server 2008 R2 (no Foundation Editions)

For installing this package, you must have Administrator privileges.

2.2 Additional software requirements

Your computer must be equipped with the following:

- Internet Explorer Version V7.0 or higher

2.3 Computer requirements

Connections	Requirements
Basic	• Commercial PC/laptop with Windows operating system, Dual Core i5 processor or higher • Min. 8 GB RAM • Min. 1 TB disk space The actual required disc space depends on the settings, which are selected for logging and the backup function. Possibly this could be several hundred GByte. • XGA graphics board with 1 GB video memory • Monitor with a resolution of min. 1024 x 768 pixel • Mouse, trackball or other Windows compatible pointing device • WINMAG plus software incl. necessary options • Sound board with external loudspeakers (necessary for sound output) • USB interface for dongle / printer • Serial interface • Network card
User identification through ID-data carrier	Read-in station at computer (serial / USB). Installation and configuration according to the original manufacturer's specifications

Also, ensure that:

- your computer capacity suffices for the program
- no energy save modes are active (for example, deactivate disks)
- you avoid the parallel use of programs that require a high amount of resources

3. WINMAG plus versions

Depending on version, WINMAG plus can be operated with different options. It is possible to change the versions and to change the options.

3.1 Demo version

The demo version gives you an overall picture of the WINMAG plus performance capabilities. The demo version permits unlimited operation as single-station version with all options. Networks can be connected and messages/alarms processed. All editing functions are enabled.

The demo version support all Honeywell products (1 object each), but only with 15 I/O devices. WINMAG plus enables to run all the available options, and will NOT allow the WINMAG plus network functionality (Clients). A total of 15 I/O devices can be configured.

To enable demo operation without sensors and far-reaching knowledge of the system, demonstration data are available that can simulate different types of alarms for demonstration purposes. Hereto, please refer to the menu "Table view", option "Simulation" for simulating alarms/messages.

After online operation of the demo version, you can still use the demo version for editing and simulation through the menu option "Simulation" and is valid only for 15 I/O devices.

3.2 Single-station version

The single-station version permits the operation of WINMAG plus at one time at one station. Programming and data environment is identical with the demo version.

In addition, the copy protection plug (dongle) and the license file contain the acquired option rights and a unique update number. This number is required to order option extensions and updates.

Every computer can be configured to individual requirements and execute different functions. A connection to the access control software "IQ MultiAccess" can be established in conjunction with the WINMAG plus option "Access Control".

3.3 Multi-station version

The multi-station version permits the distribution of alarms/messages/signals through a computer network. One or more computers can be assigned as a distributor (server) and other computers (clients) can request data.

Prerequisite: Set-up of a TCP/IP service.

The number of connections is not logically limited. Practical limits are set by computer and network performance.

3.3.1 Multi-station

One or several computers act as server that supply alarm/message data to other computers (also interactive). Multi-station includes network distribution of messages through the WCF. Data synchronization between multiple stations happens through WCF.

The stations are configured with other station details to establish communication. All the files/directories present under the **WINMAG+ > Sync** folder are synchronized.

Changing of the I/O device list and to the network structure cannot be executed by the client.

After installation, WINMAG plus is divided into three applications:

- WINMAGCore
- WINMAG
- WINMAGCONFIG

The WINMAGCore runs as a service in the background.

3.3.1.1 Prerequisites

- ◆ The client computer must be defined as multi-station client at the data master.
- ◆ A TCP/IP connection must exist between data master and client.
- ◆ The host name of the client must be defined at the data master.
- ◆ A dongle with Multi-station option is necessary at the network master.
- ◆ The same WINMAG plus version must be installed on all computers.

3.4 Gateway including OPC server (pending)

With this option (pending), WINMAG plus can be used as an OPC server. An OPC data access server is a software package that provides other programs (OPC clients) with process data in compliance with precisely defined rules (OPC specification). Primarily, OPC data access servers are used as a substitute for device drivers that would otherwise have manufacturer-specific interfaces. With random OPC clients it is then possible to exchange the process data provided by the OPC server.

4. Install WINMAG plus

The WINMAG plus DVD includes:

1. The WINMAG plus installation in DVD main directory with optional German/English version.
2. WINMAG plus manuals such as .pdf -files in the "DOC" DVD subdirectory.

4.1 General remarks on the WINMAG plus installation

Described below is the installation of WINMAG plus under the operating system Windows 10. The installation under other operating systems takes place analogue to this. Pay attention to the specific features of the operating system.

If you would like to install a network version or a connection to MultiAccess on another computer, before installing WINMAG plus, setup the TCP/IP services in your network. If the network is not setup accordingly, the Novar network drivers cannot be registered.

4.2 Backup of the WINMAG plus data prior to upgrading/updating

When installing an update, the existing database is filled with the latest system data. The user- defined data from the database will not be overwritten. If the data in the computer is dated older than the data on the DVD, the data can be overwritten.

If you overwrite the data, then the following elements are effected.

- Layer pictures in the directory **Common > Layer**
- Drawings/graphics in the directory **Sync > Graphic**
- WINMAG system database in the directory **Database > *.FDB**



The WINMAG plus V06 may not be installed into the folder where the older version of WINMAG plus is already installed. You must install WINMAG V06 in a new folder.

After the installation is successful, the installation will start the conversion tool automatically to migrate the existing data from the older version of WINMAG plus.

For more information on **Conversion Tool**, see chapter Conversion Tool later in this documentation.

4.3 WINMAG plus and additional software

WINMAG plus is a modular security management system with high requirements to the computer performance. By means of the connection of subsections various system configurations are possible. Therefore the WINMAG plus PC should not be burdened with additional software. We cannot guarantee faultless functioning of WINMAG plus in connection with software of other manufacturers.



For WINMAG plus computers, Honeywell recommends to operate no additional software or only imperative programs together with WINMAG plus.

4.4 Installation of WINMAG plus



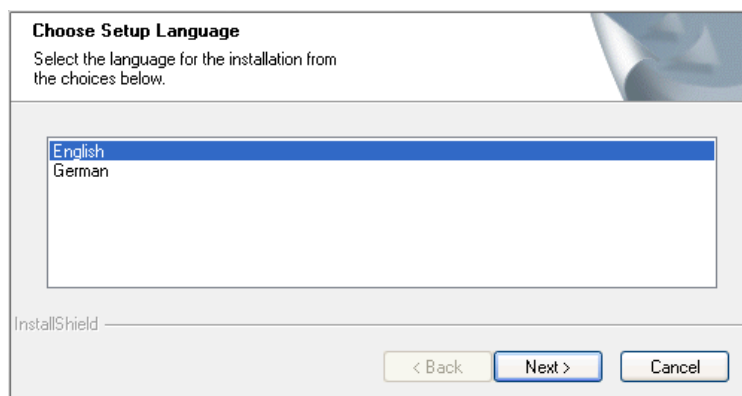
Before installing WINMAG plus in the Windows control panel, you must check for at least two users in the user accounts. One of the users must have administrator rights, as (depending on computer set-up) system data may have to be installed and registration data adapted. If only one user is existing, you must create a new account. Note the passwords of the users as you will need them for restarting the computer after installing WINMAG plus.

1. Insert the DVD in the computer's drive. The installation starts automatically.

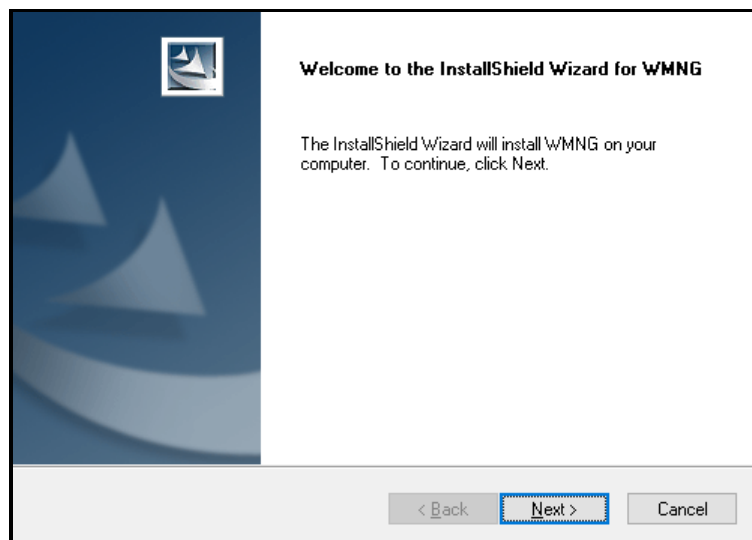


If the installation screen does not appear automatically, then, locate the WINMAG plus folder on the DVD and double-click the **Setup.exe** file to begin the installation.

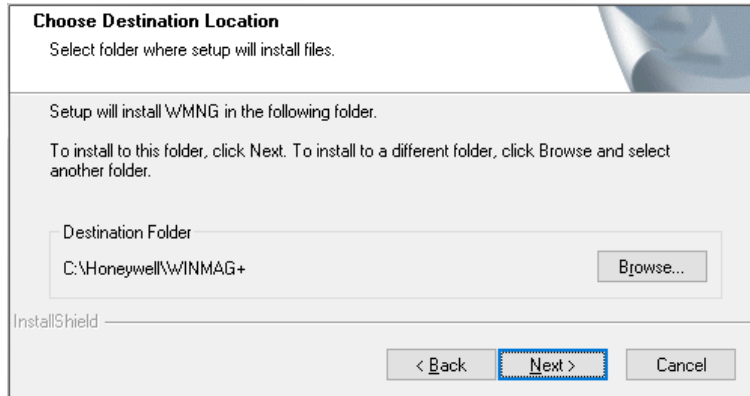
2. The setup program requests the required language. Mark the desired language and confirm your selection with "**Next**".



The setup program starts with the selected language.



- Click **Next** to display the **Choose Destination Location** screen.



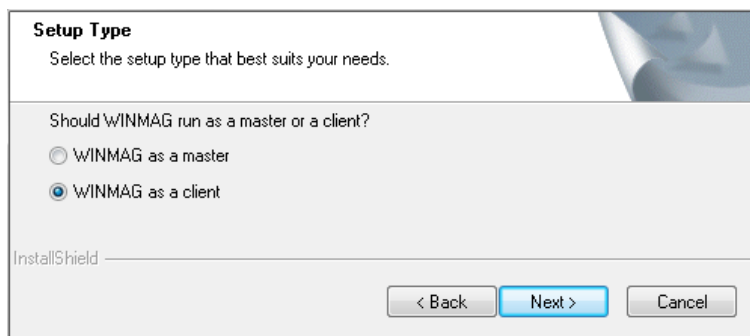
By default, the folder for WINMAG plus installation is C:\Honeywell\WINMAG+.



You can click **Browse** to select a different location.

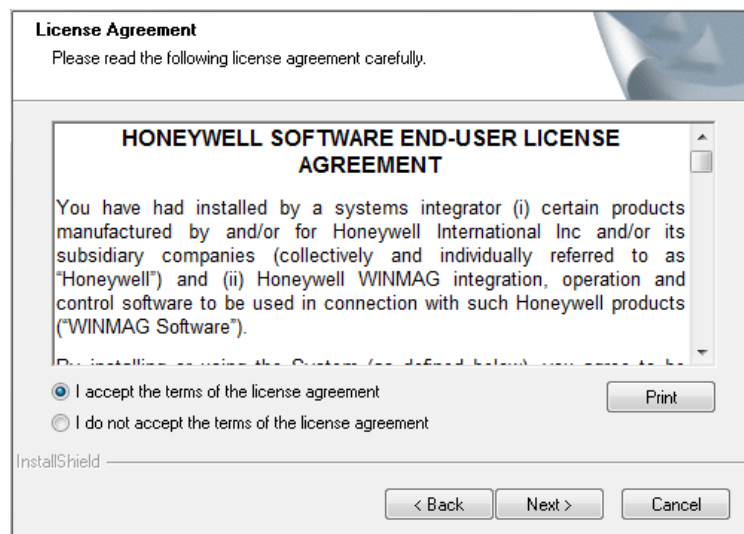
If the destination folder is modified, you must ensure that under the operating systems Windows Server 2008, Windows 7, 8, 8.1, 10, and Windows Server 2012, WINMAG plus must not be installed in the standard directory **Program Files**

- Now the query is made whether WINMAG plus is to be installed as a data master or client.



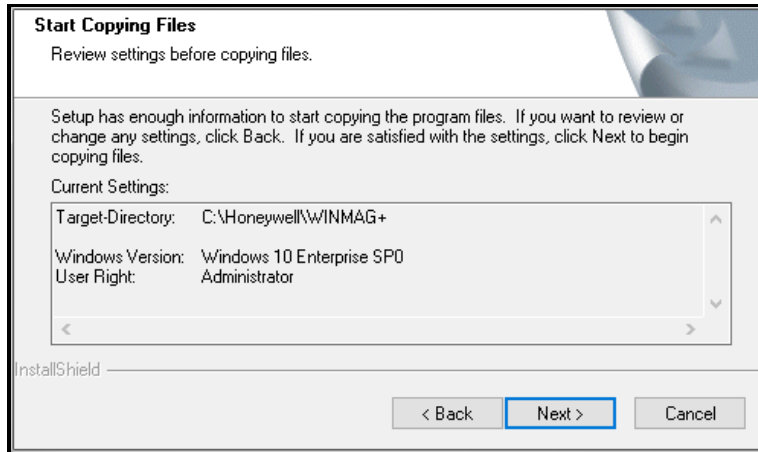
The installation type can not be changed later. A modification of the type is possible only by deinstallation and a complete new installation.

- In the next window the EULA (End-user license agreement) appears.



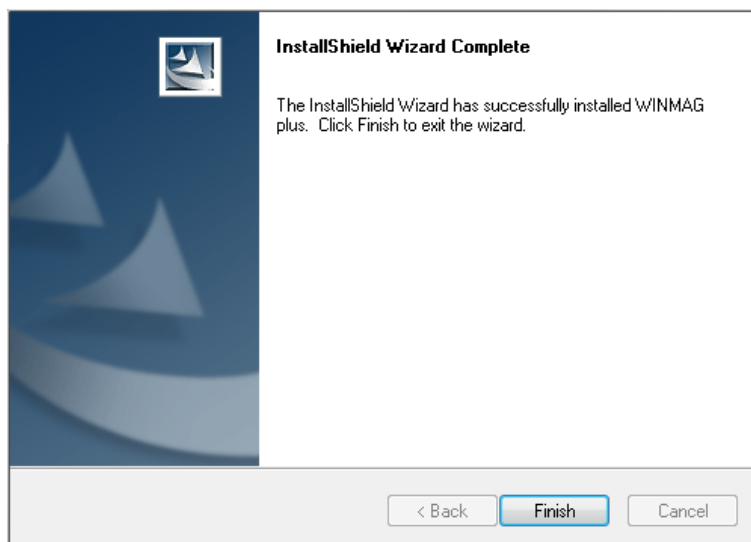
Without accepting the terms of the EULA, the installation of WINMAG plus can not be continued.

6. Click **Next** to display the **Start Copying Files** screen.



Click **Next** to start the actual installation process. The installation progress is displayed continuously.

The successful installation is displayed by the setup program.



Click **Finish** to exit the installation.

4.5 Modification of installation

If the installation program is started after the successful initial installation, you can perform modifications:

4.5.1 Modify



Currently no changes to WINMAG plus can be made. If "modify" is selected, the same program sequence as for "repair" is executed.

4.5.2 Repair

The program components specified during original installation are installed again. You cannot edit the parameters setup during the initial installation.

4.5.3 Remove

WINMAG plus is uninstalled and the WINMAG plus directory is deleted. Thereby, all protocol data and individual drawings are deleted.

4.6 Update of installation

For updating, please start the installation program from the DVD. The “**Modify**” dialogue also appears. The default setting is “**Repair**”

For the update select the option “**Modify**”.



For safety reasons, please protect your user-specific data as WINMAG plus overwrites old files (for example, databases and SIAS programs) during standard installation.

We recommend the copying of the entire WINMAG plus directory into another directory prior to updating.

Possibilities for protecting data:

- Update date of your own files prior to updating WINMAG plus.
- Save data in other directories and “manually” copy to new version.

Files with individual data:

- Backup and Configuration files (*.xml) under **Sync > Prot**–“User’s GUID” directory
- Edited SIAS programs in the directory **Sync > WINMAGEX**
- WINMAG plus Database (*.FDB) in the **Database** folder
- Edited drawings in the directory **Sync > Graphic**
- Edited layers in the directory **Common > Layer**

During program start, WINMAG plus updates the database to the current version. Resetting to old format is not possible! Thus, we recommend you to create a backup copy of the database prior to installing the update.

Usually, you need an adapted license for a new version of WINMAG plus. The options of the dongle/license can be updated with the file “LIZ_XXXXXXXXXX.txt”. This update can only be used for a dongle with identical update number. Hereto, copy the update file into the WINMAG directory **Common > Update**. After WINMAG has restarted, the new options are adopted by WINMAG plus.

4.6.1 Driver Developer Kit

Programmers who use the following WINMAG-SDKs need to update to current versions of the respective driver. The drivers are located in the following directory:

C:\Honeywell\WINMAG+Common\Drivers\common

- WinmagDriverHost.exe
- WinmagDriverHost2.exe (version V02.00)
- WinmagMultiDeviceDriverHost.exe
- .Net Framework version 4.72

For more information, refer to *SDK-documentation*.

4.7 Reboot after installation

In some circumstances, you may be prompted to reboot your computer when you install, reinstall, or modify WINMAG plus. Please perform this reboot, as it may be necessary to update individual parts of the program.

5. File management

5.1 Directories and files

The following tips and information are provided for experienced PC users and offer you the possibility for trouble shooting during installation.

After you have installed WINMAG plus, the following directories and files are available on your fixed disk. You must check if all these directories and files are available in the stated subdirectory.

The WINMAG directory can be determined individually during installation. We suggest "x:\Honeywell\WINMAG+" (x=operating system drive).



The names of the subdirectories are fixed and can not be changed.

Files included in the WINMAG main directory after installation of the program: Important program files:

Important databases and files:

WMNGDB.FDB

WINMAG plus firebird database



During installation, files must also be installed in the system directory (database driver DLLs,...). Thus for installation the current windows user must have administration rights for the computer.

5.1.1 WINMAG plus subdirectories

The subdirectories are included in WINMAG plus	
WMNG → COMMON → DRIVERS	Driver and driver configuration files
The current versions of the drivers are listed in the file "info.txt" in the WINMAG main directory.	
WMNG → SYNC → GRAPHIC	Example graphic backdrop drawings in .BMP format and .wmf format (prior to Version 7)
WMNG → COMMON → ICONS	Default directory for own alarm icons
WMNG → COMMON → LAYER	All layers of dynamic symbols in bitmap format (Dateiname.bmp)
WINMAG+ → BIN → Assembly and Template	The directory contains all precompiled SIAS files for the Runtime WINMAG user interface.
WMNG → BIN → PROT	All log files are stored here. Only for service and support applications.
WMNG → COMMON → SOUNDS	Sound files in .WAV format, that can be run under WINMAG plus
WMNG → SYNC → TEXT	Text modules that can be displayed in user programs using the command "Display". The text file must have the extension ".txt".
WMNG → COMMON → TOOLS	Auxiliary programs, e.g. Siaseditor • SIASEDIT.exe: SIAS editor and compiler • SIASEDIT.hlp: SIAS editor help file • WMZPconf.exe: Configuration of the protocol process
WMNG → SYNC → WINMAGEX	All user programs in source format and translated format • *.eff : Source format SIAS programs with user interface • *.efm: Source format SIAS macros • *.wxe: Executable program with user interface • *.wxm: Executable macros (without user interface) • *.asl: Parameter for triggering conditions
WMNG → SYNC → GRAPHIC	Example graphic backdrop drawings in .BMP format (prior to Version 6)

5.2 Data safeguarding

In order to restore WINMAG plus files in the case of computer problems or editing failures, additional back-ups should be made of customer-specific data and configuration files.

As the number of files is relatively large, we recommend storing the entire WINMAG plus-directory on an external data carrier or network drive.

We also recommend safeguarding data before performing extensive editing work.

The files containing user-specific data are:

- In the WINMAG plus main directory
 - system database WINMAG.FDB
- Program files in the WINMAGEX directory
- Drawings in the GRAPHIC and other directories
- Driver configuration files in the DRIVERS directory

6. Austrian standard F3003

WINMAG received the Austrian approval as per Austrian standard F3003.

This approval was awarded for single-station systems with one or two monitors in conjunction with fire detection computers ESSER 8000.

6.1 Special settings

In order to comply with the standard, the following settings must be made in WINMAG plus and at the PC system:

- Do not operate any other software on the computer. This must be prevented explicitly through authorization restrictions at the computer (for example, with poledit).
- Configuration in compliance with the standard is checked **on site** for every installation and can be carried out together with the acceptance of fire detection.
- The graphics design must comply with the relevant guidelines
 - Austrian symbols (observe in particular, the coloring)
 - The drawings must comply with TRVB123.
 - The date of the modification must be visible on the drawings.
- Necessary configurations in WINMAG plus:
 - System setting **General options**
 - Automatic exiting must be activated after reset
 - System setting **Interface design**
 - Alarm stack
 - Select – stack entries always in black
 - Select – last stack entry must always be visible
 - Select – fire alarms as default TAB
 - Configure alarm stack columns
 - Suppress columns (by setting at 0 width)
 - ID1
 - ID2
 - Priority
 - Program name
 - Adaptation of column headings
 - Alter „Name“ to „Designation“
 - Alter „State“ to „Type“
 - Alter sequence of columns
 - The column „Text“ should precede „Designation“
 - Allocation of symbols:
 - Pop up programs for control purposes, should only contain possible control functions (example in program pop up bmc800xeinaus.eff)

- Operating rights must be restricted
The standard defines 3 operating rights:
 - No customer should receive operating stage 3 (configuration rights)
 - Equip users with the operating stages 1, 2 and 2a (2a = 2 is extended to authorize editing of user data)
- The I/O point texts must be imported from the central control unit data, as the texts at the management system must correspond with those of the central control units.
- The additional text for the detector should contain the detector group number and detector number.
- The tool bar must provide the authorized users with a tool icon with control functions for simultaneously switching off the acoustic of the fire detection control unit and the management system. The example (toolhandler2.efm) must be adapted to the specific conditions.

7. Important updates made in former program versions

See the file WINMAG – version-overview.pdf on the WINMAG plus DVD in the directory DOC/English.

8. Licensing/Dongle

8.1 General

To use WINMAG plus permanently, the program must be licensed. Licensing enables program options and authorizes you to use the program.

Upon licensing WINMAG plus you receive a dongle that is to be connected to a USB port of the WINMAG plus computer. For multi-station systems, every computer that includes connections needs a dongle. Workstations without own connection do not need a dongle.

With an update from an older WINMAG plus version (before V6.0) to WINMAG plus a dongle will be automatically included in the delivery.

If the dongle is removed when the program is in operation, WINMAG plus runs for max. 72 hours in online operation without the dongle.

The demo version of WINMAG plus is an executable editing environment. All components (except the adoption of alarms/messages) function. Thus, any event can be simulated using the demo version. All edit functions can be used.

8.2 How to license WINMAG plus?

Licensing is awarded with a dongle and a license file. The license file contains individual details and the activated options.

The following specifications must be known for licensing:

- Name of customer
- New license, update, upgrade
- Type of dongle (USB port)
- Connection structure (=> number of dongles, options)
- Update number



Please find the USB dongle in the attached package. It is not only a simple USB pen drive, but a software protection dongle which enables the operator to use the software. The dongle contains all the WINMAG licences and is the property of the operator after purchase. The operator must secure the USB dongle against removal, theft, unauthorised use, loss or damage.

The USB dongle should be inserted into an INTERNAL USB interface (e.g. inside the PC), or be routed via a USB extension to the PC case. If this is not possible, and if it is used in an external USB port (PC case), the USB dongle should be protected against theft by a cable lock (e.g. ABUS), e.g. in combination with a Kensington Lock (anti-theft protection for portable computers, projectors, etc.).

9. Licensing information

```

Liz.P7UUMKUBUQ.txt - Editor
Datei Bearbeiten Format Ansicht ?
[[Licence]]
Key = P7UUMKUBUQ
Created = 31.07.2019

Object = Only for Testing
Client = Honeywell ISS - Integrated Security Solutions
Street = Johannes-Mauthe-Strasse 14
City = 72458 Albstadt-Ebingen

Written = 31.07.2019 11:02:39

[[WINMAG Licences]]
No = 10
WM2060 = 1
WM2140 = 200
WM2200 = 100
WM2230 = 5
WM3010 = 1
WM3020 = 1
WM3030 = 1
WM3110 = 1
WM3120 = 1
WM3130 = 1
WM3140 = 1
WM3200 = 1
WM3201 = 1
WM3202 = 1
WM3210 = 1
WM3220 = 1
WM3230 = 1
WM3240 = 1
WM3250 = 1
WM3260 = 1
WM3270 = 1
WM3280 = 1
WM3510 = 1
WM3520 = 1
WM3530 = 1

```

License parameters are displayed in WINMAG in the info dialog using the **Help / Info** about WINMAG menu.

The executable full version and the demo version are identical. You do not have to replace programs to turn a demo version into a full version. The difference is the dongle.

The license parameters can also be shown through the License file Liz_XXXXXXXX.txt. The License file contains the dongle no., the object name, the customer name as well as the corresponding product Licences.

10. Ordering WINMAG

WINMAG is a modular program, thus the WINMAG software comprises several part numbers.

To help you configure your WINMAG software components, please use our **WINMAG Order Form** which you can request from our Sales Department.

For creating a new system you need the WINMAG plus basic version (item no. WM2010).

Depending upon the peripheral devices connected, you will also require one or more program options and so on:

WM3020	Option Intrusion Galaxy
WM3110	Option Fire system Esser
WM3120	Option Fire system Gent
WM3130	Option Fire system Notifier 013626
WM3200	Option Access Control IQMA Integration
WM3201	Option for ProWatch Integration
WM3203	Option for WinPAK Integration

Every WINMAG station connected with System/HE requires a dongle with the base license and appropriate option set.

You need a client License for every computer to which data is routed (for example, routing to 3 computers = 3 client Licenses):

WM2200	WINMAG Client - single license
WM2210	WINMAG Client – licenses, 5 pcs
WM2220	WINMAG Client - licenses, 10 pcs
WM2230	WINMAG Client - licenses, 25 pcs

You can order program options separately to upgrade your basic program. For every change of option you will receive a License update file "Liz_XXXXXXXXXX.txt". This update/upgrade file must be loaded into the WINMAG **Common > Update** directory.

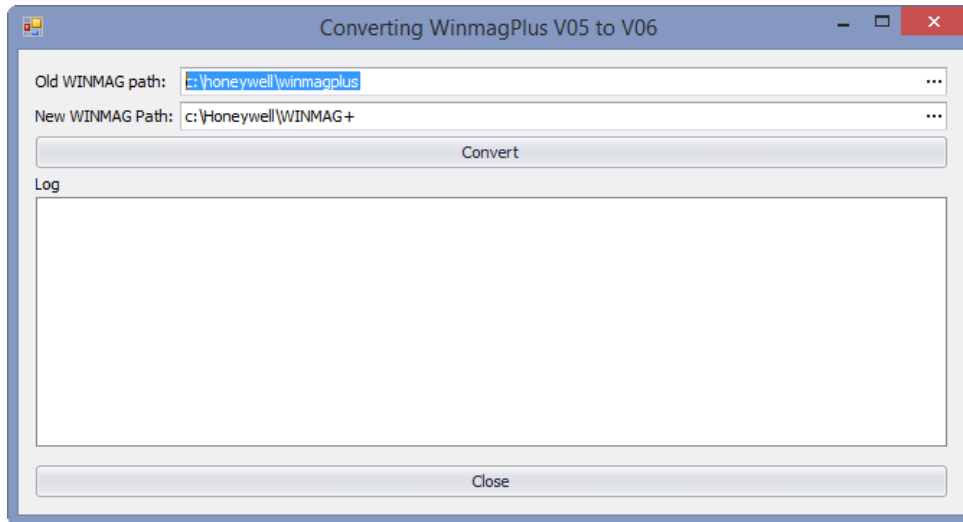
An old version of WINMAG can be updated to the current program version. Please note that the License applies to a specific version.

As a rule, a revised License is required when changing the version (update is made with the files "Liz_XXXXXXXX.txt" and "W_Update.liz"). If you wish to change from a WINMAG version up to 5.0 to the current WINMAG version, you require a dongle for every computer that is connected to WINMAG components.

11. Conversion Tool

In case an older version of WINMAG plus exists on the computer, the V06 launches the conversion tool to migrate the data from V05 to V06. After the WINMAG plus V06 installation is successful, the WinmagCore is automatically started as a service.

1. In the **Converting WinmagPlus V05 to V06** dialog box, the **Old WINMAG path** specifies the old V05 path and the **New WINMAG Path** specifies the current installation path.



Leave the default parameters. If you want to change the path, click ... to browse and select a different path. The path in field “New WINMAG Path” must be the new installed WINMAG+ V06 directory.

2. Click **Convert**. The conversion begins and the conversion details are visible under **Log**.



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