tebis KNX domovea
Intelligent visualisation - intuitive control
KNX is the worldwide standard in home and building automation. Established in 1990 by European manufacturers, including Hager, it has since proved itself worldwide a million times over. Now Hager is linking this state of the art technology with a brand new look. tebis KNX domovea is revealing the face of future building control and is making automated housing even more attractive, intuitive and versatile for your customers. Open up new business opportunities by linking together the worlds of KNX and IP. tebis KNX domovea makes it possible and easy!

Inherently intelligent
tebis KNX domovea shows automation technology in a new light; to be precise: on the screen of any Windows® operated computer or mobile device. All the available building functions can be controlled using the intuitive user interface: Lighting, heating, ventilation, air conditioning, blinds and much more. One click and the user sees their IP-camera pictures on the screen, at home or on their iPhone using a special application. One push of a button and the whole house switches over to a pre-programmed status. One e-mail and, even though not present, the user knows what is happening in the house. Over the domovea Internet portal using the iPhone app, you can quickly and safely intervene; around the clock, from around the world.

There right from the start
Without KNX there can be no automated house! The bus standard is the basic prerequisite for the use of tebis KNX domovea. If the KNX bus system is already installed, refitting with tebis KNX domovea is very easy: The compact domovea server, requiring just six unit places, is installed in the distribution board and wired using quickconnect®. Once complete, your customers are free to enjoy the automated comfort with a new dimension and vision.

tebis KNX domovea offers you the unique opportunity, to think ahead with KNX, and to expand your business.
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simple

to configure
Simple to install. Hard to beat.
Quick configuration in five steps

Intelligence is the quick coupling of thoughts. Thus one logic is built on another. tebis KNX domovea leads the way. So that you have little need to think about it, and your customer even less.

Unbeatably fast
Previously it took many hours, if not days, to construct individual visualisations for building control systems. With tebis KNX domovea you are switching on the “electrotechnical turbo”! To be precise: the configurator. It allows rapid installation of the complete display using KNX data. All the data are imported, as usual, from ETS or from the coupling device TX100B and linked with the structure created.

Unbeatably beautiful
In conventional display programs, each application must be individually installed. This takes time and causes stress. The automation software tebis KNX domovea takes this work away from you. The display interface is automatically generated from the group levels created and the devices are structured within these. Hence, we have left nothing to chance: The design of the user interface meets the latest ergonomic, visual and intuitive requirements and will be continually evaluated and optimised through tests with installers and users.

Advantages:
- Simple and quick creation of the user interface: ready for operation within around 10 minutes
- Rapid project importing from ETS or the TX100B coupling device
- Drag & Drop operations: simple relocation of the group addresses
- Simple creation of sequences, logic, time functions and scenes
- Integration up to ten IP cameras
- Inclusion of personal images and symbols (up to 20 MB image memory)
Starting conditions: A KNX System must be available for configuration of tebis KNX domovea.

1 First specify the building or group structure.

2 Next, define the devices to be used and assign them to the corresponding rooms or groups.

3 Now the ETS or TX100B data is imported and the group addresses are assigned by dragging and dropping the objects.

4 Now create the IP cameras, if available, and specify which bus events will cause the camera images to be displayed, for example.

5 Finally, save all the data. The user can now open the client and use the intuitive user interface.
intuitive control
The automated house presented on a "Tablet"
Intuitive visualisation and control

Your customer is now in control! All the available tebis KNX functions can be obtained using the attractive user interface with its contemporary look, whether using a fingertip on a tablet computer or touch panel or using a mouse on a conventional home computer. The eye-catching icons can be understood immediately and intuitively operated. Thus tebis KNX domoea not only extends the possibilities for your customers but, above all, it simplifies them. Put another way, tebis KNX domoea can do more, and your customers can do less.

From scenario to sequence
With tebis KNX domoea, you can call up complex scenarios very easily. Here, one command entered by the user simultaneously triggers several other commands. For example, the "Leaving home" scene switches all the lights off, closes the roller shutters and drops the temperature to an energy-saving 18 degrees. However, tebis KNX domoea goes further: Using logic sequences, chronological processes can be configured. By editing these processes, the user can at any time stop, alter or delete a sequence.

From device to house
In addition, your customer not only has the individual functions at their fingertips but, if desired, the entire house. By activating the "House status" the entire property is transformed into the desired target state. Alongside the classic "At home" status, you can configure up to seven further modes, as required: e.g. "short absence", "long absence", "monitoring mode", "night mode", "guest mode", "do not disturb mode" and finally "manual shutdown".

Everything at a glance
In the house overview, the individual floors and rooms appear as virtual function rooms. Central applications such as lighting and roller shutter and blind controls can be applied and controlled at this level using simple icons. The central functions are created automatically.
Always know what’s going on
Tebis KNX domoea makes energy consumption visible: The Hager energy visualisation displays the consumption values measured on the internal energy counters in an overview graphic, showing instantaneous values or values over a long time period such as days, weeks, months or years. The reference periods can be compared with values from the record file. This sharpens energy awareness and facilitates energy-saving.

Ten eyes see more than two
With tebis KNX domoea the user has the possibility, at home, to install low-cost camera surveillance: Up to 10 IP cameras can be included on the display. The cameras can also be integrated into sequences, to send an image or an e-mail, for example. This way you can address the key requirement of your customers, time!

Everything at a click
Go one level deeper and the user comes to the individual rooms. There he can call up and alter all of the applied functions, individually. The current status of the outputs is displayed. All the rooms can be personalised by including your own images.
mobile use
Intelligence is versatile! The intuitive user interface from tebis KNX domovea can be installed without problems on any Windows® compatible PC, be it a Touch Panel, notebook or conventional PC. Each client PC has access to the domovea server over the local area network, providing all the necessary data. This gives the user access to their building functions from every room.

**Home computer**
The domovea software can be used on any standard Windows® PC.

**Touch Panel**
The Touch Panels are even more intuitive and ergonomic, it can be flushly embedded in the wall and blends perfectly into any modern home decor.
At home and away

The user still feels like he is at home even when he’s not there!
This is because tebis KNX domovea is linked to the Internet. The user-friendly domovea Internet portal makes it possible for the user to check his data and to alter any of the building functions. When irregularities occur or in the case of an alarm, tebis KNX domovea sends out e-mails, and the user can take action online.

domovea Internet portal: www.domovea.com
At any time, the user can access the building control over a safe connection, to switch the lights on and off, raise or lower blinds, view camera images or alter the status of the house.

Tablet PC
Naturally, tebis KNX domovea can also be operated using portable Tablet PCs (with Windows® operating systems), at home over the WLAN or away from home via the domovea Internet portal.

Smartphones
All domovea functions can also be comfortably monitored and controlled using a mobile or Smartphone, whether at home or away, again via www.domovea.com.

"App to date" - with the iPhone and iPad app
The new domovea, iPhone and iPad App can be downloaded from the Apple App Store. It allows both local operation via the house WLAN network, as well as external control via the Internet.
The domovea application is also available for Android phones on Android Market.

Energy savings
With tebis KNX domovea and the Hager energy display.
Easy installation
The size of tebis KNX domovea is especially evident when you see the small devices. For instance, the compact domovea server required just six modular units on the DIN rail! This makes it perfect for retrofitting into existing KNX installations. Once the server is clipped in, the appropriate cables simply need to be connected - and the KNX and IP worlds are connected with each other. Access is then achieved either in-house via the various clients or externally via the secure domovea Internet portal.
Adding new functions
The automated house grows with its tasks! Using the relevant tebis KNX products, additional functions can be integrated into the building control - e.g. a weather station, individual room temperature controllers or dimmers. With KNX domovea, your customers will have all the additional functionality immediately on the screen or in their hand.

From cabinet to switch
All tebis KNX functions can be called up via domovea as well as in the traditional way via switches and KNX touch sensors on the wall; making the automated house even more comfortable.

domovea users see more
With tebis KNX domovea, up to ten IP cameras can be simply integrated into the building visualisation system. These send live images to any domovea terminal. Hence, at any time, movements in the garden or at the door of the house - e.g. wanted or unwanted guests - can be registered and controlled.

Intelligence does not stand still
Software updates for tebis KNX domovea can be downloaded at any time from the Hager homepage and run on your customer’s domovea server. In this way, your customer is always up-to-date.

Updates for the iPhone and iPad are available as usual in the App Store.

Our tip:
tebis KNX domovea offers you the perfect opportunity to look up your existing KNX customers again and familiarise them with the expanded and improved offer. Hence new business opportunities open up for you with every free field on the distribution board!
Smart solutions in your home

domovea allows you to control your home automation.

Thanks to its intuitive interface, you can control devices such as lighting, shutters and heating... as well as monitor your energy usage.

domovea is also accessible remotely over the internet through a secure portal, on iPhone and iPad through an app, and furthermore you can receive notifications via e-mail.
Features:
The tebis KNX domovea visualisation and control system connects the tebis KNX bus system with the IP world. This is provided by a server with modular design, which sits invisibly on the distribution board where it works silently and energy efficiently. All the data on the server can be accessed from any connected Windows® compatible client - whether it be a conventional PC, notebook or wall-mounted Touch Panel. The same functionality can be used as a software solution, without any hardware. Worldwide access is ensured via the Hager Portal.

Advantages:
- Server in modular form or as a software solution
- Able to be updated via USB interfaces
- Intuitive user interface for display and control of:
  - Lighting
  - Blinds and roller shutters
  - Heating control
  - Graphic display of energy consumption
  - Connection of IP cameras
  - Integrated logic and sequence module
  - Worldwide access via the domovea Internet portal (www.domovea.com)
  - iPhone App for local or remote use.

Description | Characteristics | Width in mm | Cat. ref.
--- | --- | --- | ---
**domovea server incl. software**
For installation of domovea in a KNX/IP environment
- Power supply: 24 V DC
- Connections:
  - KNX connectors
  - 3x USB 2.0, Type A Jack
  - RJ45 Connection
  - quickconnect
- Configuration software and client on supplied USB memory stick
- 17.5mm
6
TJA450

**domovea system package**
Consisting of:
- TJA450 domovea server with remote access
- TGA200 power supply
TJA451

**domovea software server with USB/KNX interface**
- domovea system software solution for installation on a Windows® compatible PC
- KNX/USB interface with integrated license key
- Server, configurations and client software on the supplied USB memory stick
- USB Connection cable, 1 m
TJ701A

**domovea remote access**
Remote access to the domovea server via the secure Hager Internet portal (www.domovea.com)
- License key supplied on a USB memory stick
- The possibility to access the KNX project externally using an Internet browser or domovea iPhone App (not included in the supply)
TJ550
## Description

<table>
<thead>
<tr>
<th>Voltage supply 24 V DC</th>
<th>Characteristics</th>
<th>Width in mm</th>
<th>Cat. ref.</th>
</tr>
</thead>
</table>
|                        | - Power supply: 230 V AC, 50 Hz  
- Output voltage: 24 V DC  
- Output current: 1.0 A  
- 4 PLE | 17.5 | TGA200 |

### iPhone-App

The iPhone-App can be found using the search term domovea and downloaded from the Apple App Store.

### iPad-App

The iPad-App can be found using the search term domovea and downloaded from the Apple App Store.

### Android-App

The Android-App can be downloaded from the Android Market

**Purchase via Android Market**
## TJA450 Technical Data

<table>
<thead>
<tr>
<th>Reference</th>
<th>TJA450</th>
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<tbody>
<tr>
<td>KNX Connection</td>
<td>KNX-Bus 30 V DC</td>
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<tr>
<td>Auxiliary voltage</td>
<td>24 V DC (TBT5, SELV, ZLVS )</td>
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<tr>
<td>Power from the bus</td>
<td>10 mA max., 30 V DC</td>
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<tr>
<td>Power from the auxiliary voltage supply</td>
<td>150 mA max., 24 VDC</td>
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<tr>
<td>Ethernet network</td>
<td>100 BaseT (100 Mbit/s)</td>
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<tr>
<td>Bus connections</td>
<td>0.6 - 0.8 mm²</td>
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<tr>
<td>Power supply connection</td>
<td>0.75 - 2.5 mm²</td>
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<tr>
<td>Ethernet/IP network connection</td>
<td>RJ 45</td>
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<tr>
<td>Operating temperature</td>
<td>0°C —&gt; +45°C</td>
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<tr>
<td>Storage temperature</td>
<td>-20°C —&gt; +70°C</td>
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<tr>
<td>Protection rating</td>
<td>IP20</td>
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<tr>
<td>Dimensions (1 PLE = 17,5 mm)</td>
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## TGA200 Technical Data

<table>
<thead>
<tr>
<th>Reference</th>
<th>TGA200</th>
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<tbody>
<tr>
<td>Dimensions (1 PLE = 17.5 mm)</td>
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<tr>
<td>Supply voltage</td>
<td>230 V AC 50/60 Hz</td>
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<td>Dissipation max.</td>
<td>3.6 W</td>
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<tr>
<td>KNX system voltage</td>
<td>24 V DC, 1A</td>
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<td>Number of outputs</td>
<td>4 PLE</td>
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<td>Measurement current</td>
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<td>Mains failure buffering</td>
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<tr>
<td>Connection</td>
<td>Mains power supply flexible, 0.75 - 2.5 mm², 0.75 - 2.5 mm²</td>
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<tr>
<td>Bus</td>
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<tr>
<td>Display/operation</td>
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<tr>
<td>Operating indicator</td>
<td>LED (Green)</td>
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<tr>
<td>Overvoltage indicator</td>
<td>LED (Red)</td>
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<tr>
<td>Reset indicator</td>
<td>LED (Red)</td>
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<tr>
<td>Reset button</td>
<td></td>
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<tr>
<td>Ambient temperature</td>
<td>Storage, -20°C to +70°C</td>
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<tr>
<td>Operation</td>
<td>0°C to +45°C</td>
</tr>
</tbody>
</table>

## System Requirements:

- Microsoft® Windows® XP/Vista/Windows 7/Windows Media Center
- Pentium processor with at least 600 MHz or equivalent
- At least 128 MB RAM, recommended 256 MB or greater
- At least 16 Bit colour depth (High Color) and a resolution of 1024 x 768 pixels
- Minimum available hard drive memory of 500 MB
- CD/DVD drive or network adapter

## Capacity of Functions:

- 100 groups (sections of buildings, rooms, areas, etc.)
- 500 devices (e.g. for lighting, blinds and sensors, etc.)
- 10 IP cameras (selected from a specified manufacturers’ list)
- 50 sequences
- 30 Clients (Profile)
- Image memory for groups and devices, max. 20 MB

## TGA200 Power Supply

230V AC 50/60Hz 24V DC