

# Introduction

## About this Online Help

This online help explains the structure and use of the "BMS KNX Actuators" application as well as providing associated product data and basic knowledge.

For validities, see appendix under "[Versions](#)".

## Purpose of the Application

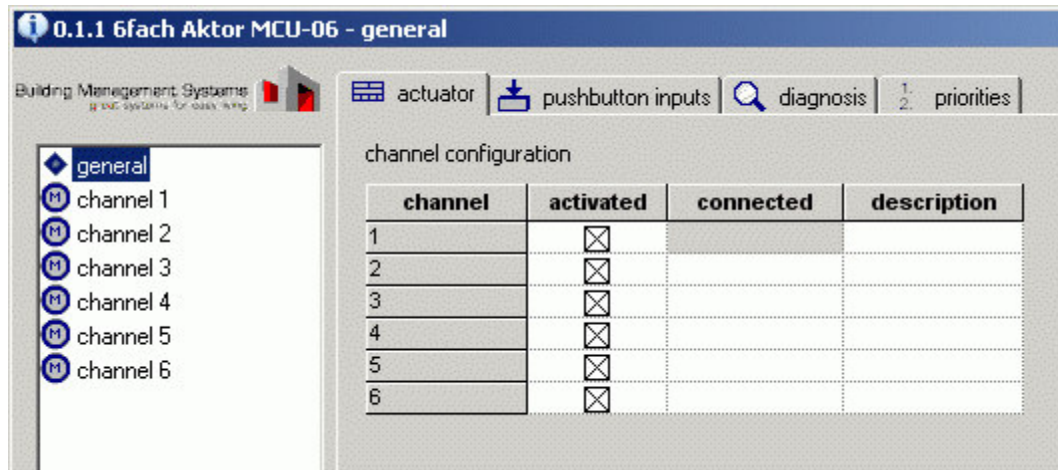
The "BMS KNX Actuators" application is a plug-in for ETS3 and is used for setting the parameters of these devices:

- MCU-02, actuator for 2 motors
- MCU-06, actuator for 6 motors
- MCU-09, actuator for 9 motors

You can find the most important characteristics of the devices in the appendix under "[Actuators](#)".

## Structure of the Application

After starting, the application appears as follows:



The application provides two windows, each having a number of tabs. The windows are called:

- [General](#) for settings which apply for all channels and for diagnosis.
- [Channel x](#) for channel-related settings. Each channel can be parameterised individually.

Select the window you desire by clicking on the corresponding designation in the list box at the left.

Note: After starting the programme, the "General" window will open, as shown above.

## Three Access Levels

The application offers three access levels **Standard**, **Full** and **Pro**.

At the first startup, **Standard** is active, as shown in the screenshot above for the MCU-06 actuator.

The number of tabs shown and thereby the options for making adjustments varies depending on which access level is active. Here you can see an overview:

### Access Adjustment Options

**Standard** All the parameters for the respective actuator and the product selected are predefined. The product will run correctly with these default settings.

#### Recommendation:

Choose this display if you wish to achieve error-free parameterisation and begin safe operation with a minimum investment of time.

**Full** Provides additional functions and fine adjustments:

- Parameter settings for all aspects of the selected product, such as travel time, positions, motor overtravel, etc. for a certain venetian blind.
- Allocation and behaviour of button inputs (binary inputs).
- Feedback regarding position and status for visualisations or building control services

systems (BCSS).

#### Pro

Provides further special functions for less-common application situations, such as:

- Logic table for room functions
- Creation of scenes
- Analysis tools

=> The further special functions are not available with the MCU-09 actuator.

#### Note

You can find a recommendation for setting parameters at the **Standard** access level under the topic "[Operational Sequence](#)"

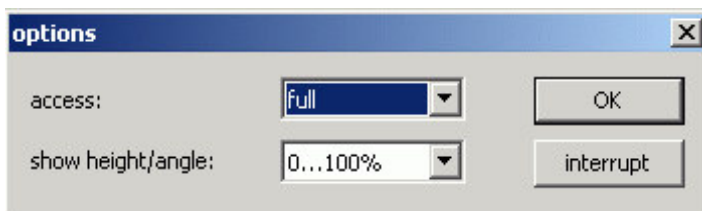
### Selecting Another Access Level

Proceed as follows:

1. Click on the **Programme Symbol** on the left in the title bar:  
=> The system menu will appear:



2. Click on **Options...**:  
=> The **Options** dialogue will appear:



3. Under **Access**, select the desired option: **Standard**, **Full** or **Pro**.

### Height and Angle Specifications in % or 0...255

You can choose whether the values for the parameters "Height" and "Angle" are displayed as 0...100% or 0...255.

Proceed as follows:

1. Click on the Programme Symbol on the left in the title bar and then on **Options** in the drop-down list box:  
=> The **Options** dialogue will appear, see the screenshot above.
2. Below **Display Height/Angle**, select the desired option.

### General Operation of the Application

- The general operation corresponds to the familiar Microsoft standard for Windows programmes.
- Special procedures, such as the use of the calibration dialogue, will be explained at the appropriate point in this online help.

### Values in the Parameter Descriptions

The default values (factory settings) in the "Selection" column are indicated in bold.

### Printing out Topics

- Click on the **Print** symbol and select the desired option:  
**Print Selected Topic** for the respective topic alone  
or  
**Print Selected Topic and all Subtopics** for all the topics in a tagged folder.

- In order to print the tables of the parameter descriptions in grey scales, you may need to adapt the settings in Internet Explorer accordingly. In IE, Version 7, select:  
Menu **Extras** > **Internet Options...** > **Advanced**, Settings / **Printing**: ☒ Print background colours and images.

## Reports from the ETS

If you create a report from the ETS in order to show the status of the actuators, then the report will show the internally saved value instead of the adjusted value.

## Terminology

- The use of the terms "Central Command" and "Local Command":  
See the topic "[Inputs: Definitions](#)" in the appendix.
- Text passages with "Communication objects will be hidden or shown".  
This means:  
In the windows of ETS / the list of the communication objects among the devices shown there.