Technical Manual

State 06/2026 - Version 1.0

MDT Visu Launcher software

for KNX Touch Panel VisuControl Plus VC-08P82.01S

Further documents:

Data sheets:

https://www.mdt-group.com/for-professionals/downloads/datasheets.html

Assembly and operating instructions:

https://www.mdt-group.com/for-professionals/downloads/assembly-and-operation-instructions.html

Solution proposals for MDT products:

https://www.mdt-group.com/for-professionals/tips-tricks.html

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2 Introduction

The MDT Visu Launcher app is the main app for the VisuControl Plus, which acts as an entry point for the device. The app offers access to the various device functions and settings, and preinstalled MDT apps can be opened in the main view. The overall appearance can be tailored individually and adapted to relevant requirements. The MDT Visu Launcher is the heart and soul of the MDT VisuControl Touch Panel.

On Android, there are what are known as “launcher applications”. These usually define a start screen and are the main entry point for all of the device’s other functions. Only one of these apps can be active at a time and the launcher app is usually started when the device starts or the device’s HOME button is pressed.

2.1 Requirements

The MDT Visu Launcher requires the operating system Android 6.0 (API 23) or higher to run. The app cannot be installed on devices with a lower Android version. Furthermore, the MDT Launcher can only be used on VisuControl Plus Touch Panels with Android 6. On other devices (which still meet the minimum required Android version), it may be possible to install the app, but the following warning is shown on start-up:

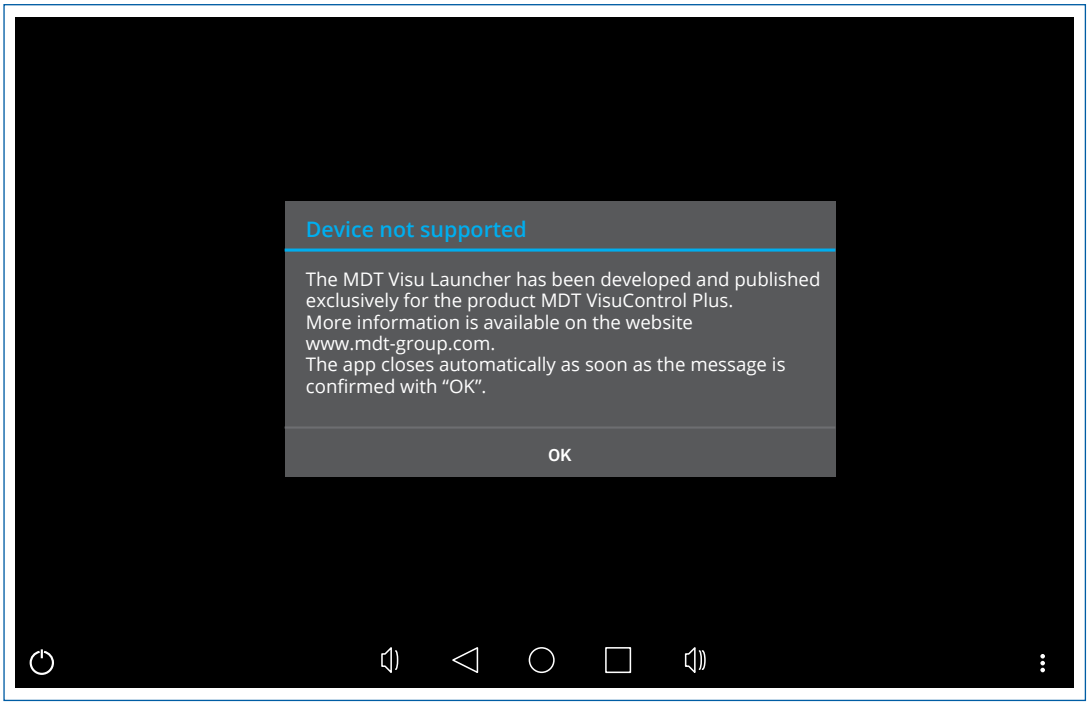


Figure 1: Error message: Device not supported

Attention: When a new launcher app is installed, the Android system should ask you which app should be used as the default launcher application. If you are unsure whether your device supports the MDT Visu Launcher, when selecting MDT Visu Launcher, it is strongly recommended you select “only this time” as a test

2.2 Initial start

If the device supports the MDT Visu Launcher, when the app starts, certain Android versions will request runtime permissions which must be manually confirmed: The MDT Visu Launcher requests access to device media. This is required to do things like change the background image:

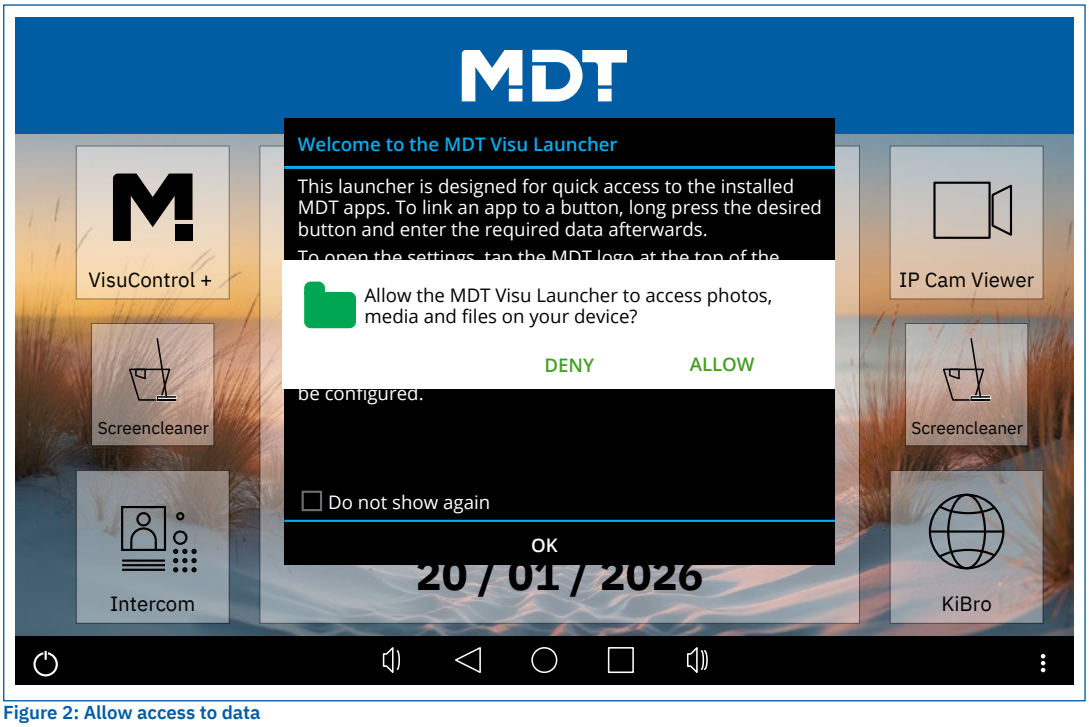


Figure 2: Allow access to data

Attention: If required permissions are not allowed, they will be requested each time the main view is accessed, until they are either allowed or permanently denied. If the permissions are not allowed, in certain circumstances, some app functions may not work properly.

If the user opts to deny notifications permanently, this dialog will no longer appear. The notifications can be allowed or denied at any time manually in the MDT Visu Launcher app management settings.

After the authorisation dialog, the welcome message appears. This includes some basic and limited information on using the app:

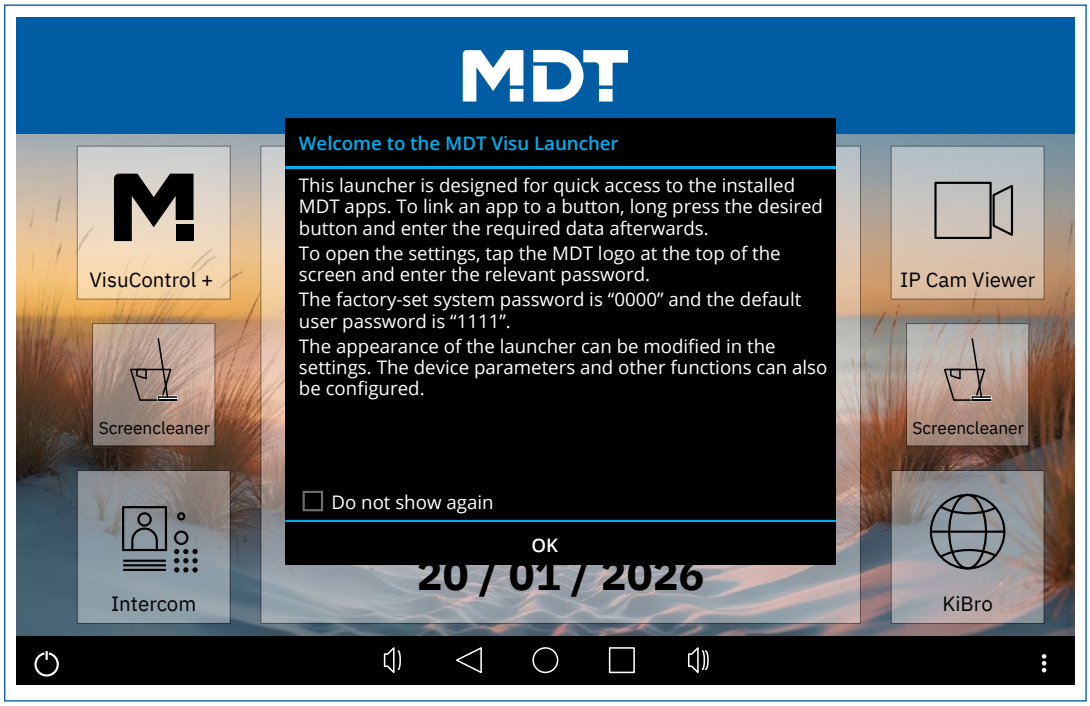


Figure 3: Welcome message

Note: This message is shown every time the MDT Visu Launcher starts up, until it is deactivated in the settings or by clicking the “Do not show again” box. Detailed information on deactivating this message can be found on page 4.6.1 Advanced device settings.

2.3 Modify date

If a device stays turned off for a longer period, the date may be reset to a default value.

The MDT Visu Launcher and the MDT VisuControl Plus software require a correct date to function properly. Accordingly, when the device is started, a simple check of the current date is performed.

If an incorrect date is detected, a corresponding dialog appears requiring the date to be modified manually.

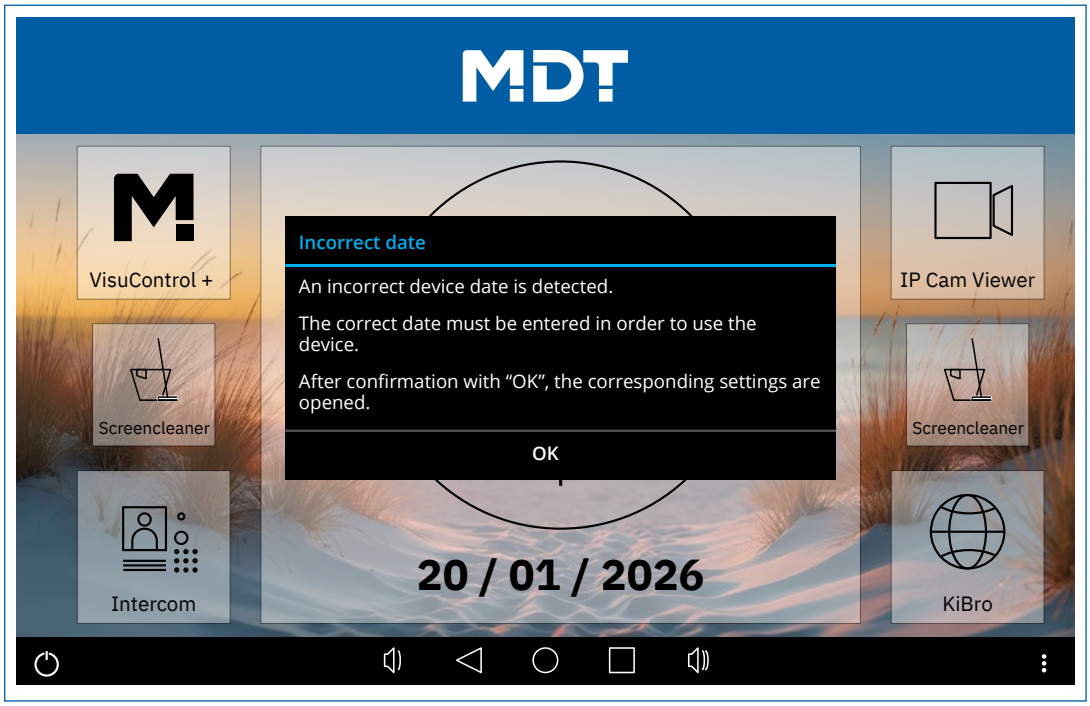


Figure 4: Message: Incorrect date

Note: This dialogue blocks any other use of the device and is shown every time until the date is modified.

3 Main view

The MDT Visu Launcher main view consists of two components: the “central element” and the “app area”. As the name suggests, the central element always appears in the middle of the screen, while the app area depends on the orientation used and is shown either left/right or top/bottom.

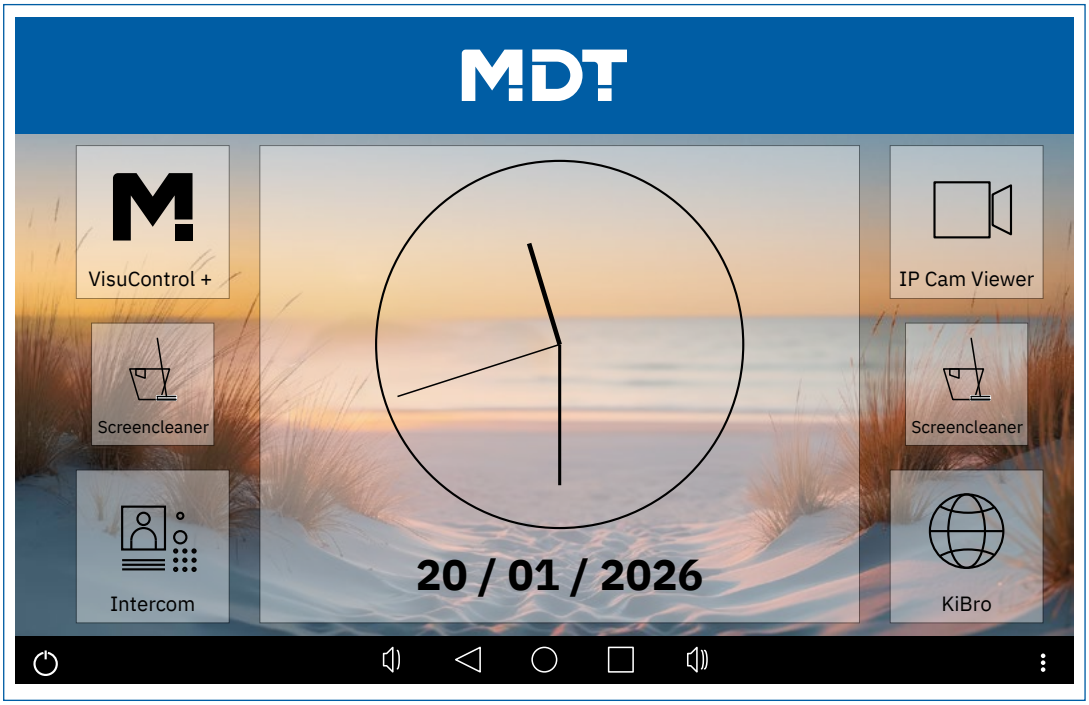


Figure 5: Main view

The central element should display some basic, non-operable information, while apps can be assigned for quick access in the app area. The central element is configured by default to display the current time with an analogue clock. The app area is editable by default and all possible assignments are already pre-allocated.

Note: The appearance and functionality of the central element and app area can be modified. The various settings are described in detail later in the manual.

3.1 Password input

The MDT Visu Launcher settings can be accessed via the MDT logo at the top. They can also be accessed via the menu if the device has a physical/virtual menu button. Before the settings can be accessed, a password prompt is displayed. The default system password is “0000” and the default user password is “1111”. Both can be changed in the settings. Access to the settings is only possible if a correct password has been entered.

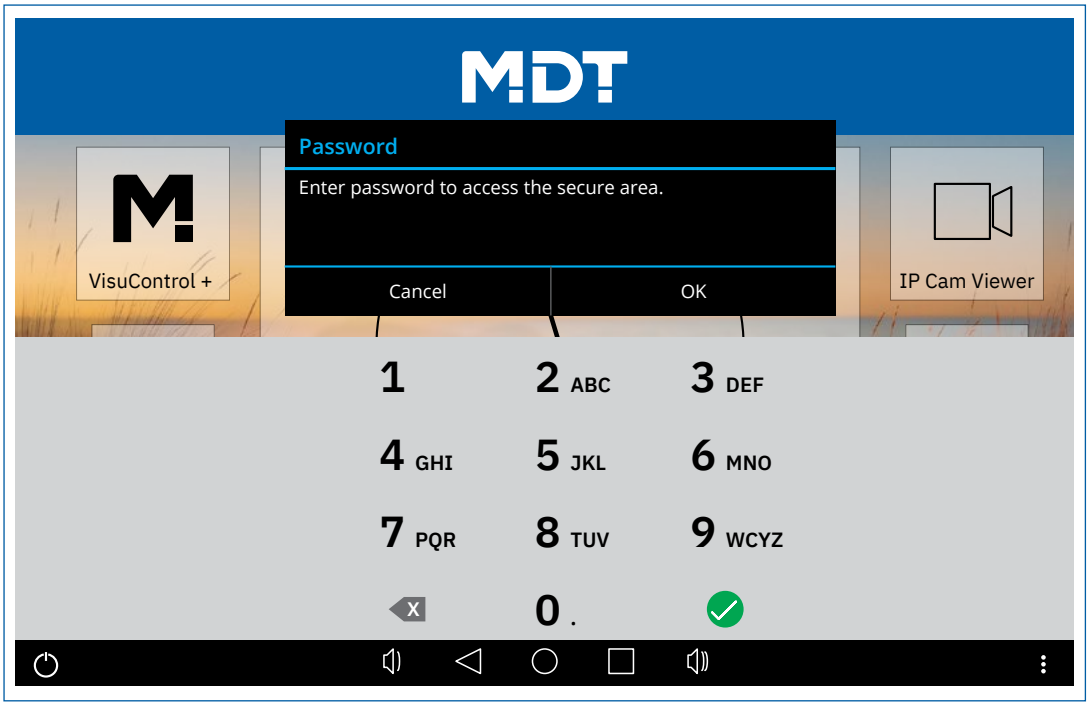


Figure 6: Main view: Enter password

3.2 App area

The app area consists of a grid of buttons on a single page and enables quick access to the installed MDT applications.

In the factory settings, there is a grid with six buttons that can be assigned and edited. A button can be long pressed to assign it or remove the current assignment. The number of buttons can be changed in the settings; the buttons can also be configured.

The settings are described in detail from page 4.4 App area.

An example of a user-defined app area is shown below.

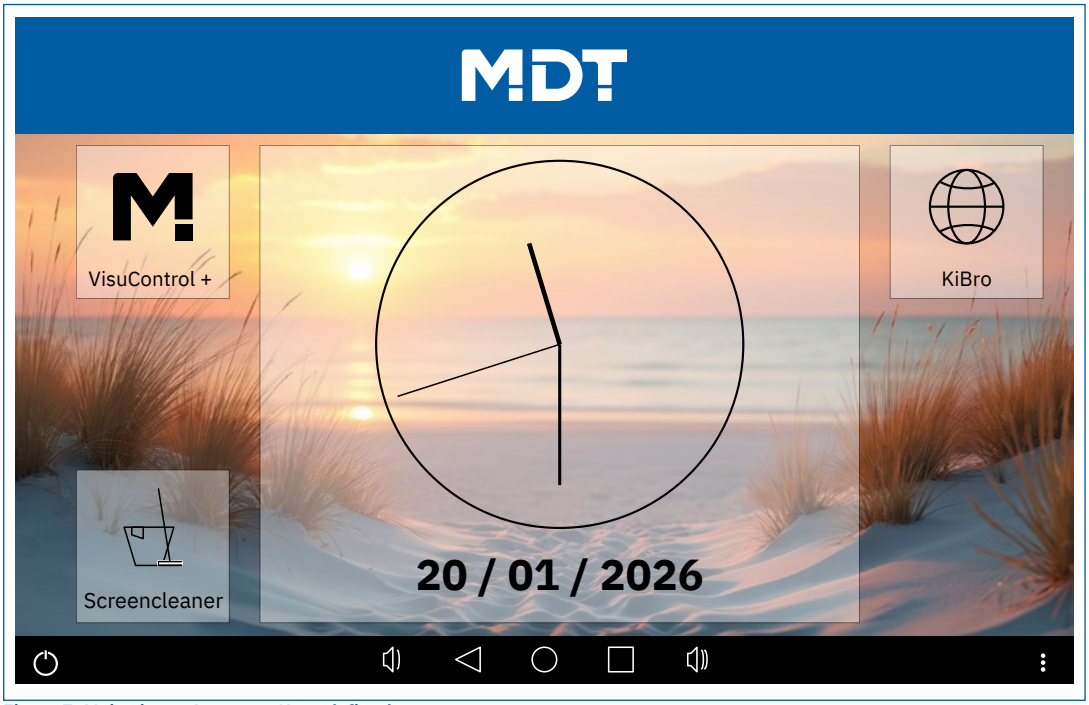


Figure 7: Main view – App area: User-defined app area

3.2.1 App assignment

Long press the desired button to allocate a button in the app area. The app allocation window will then appear.

A list of all pre-installed MDT apps is shown in this window. Tap an app to select and mark it accordingly.

There are three buttons at the bottom of the window:

- **Assign:** Allocate the app to the button.
- **Remove assignment:** Removes the button allocation.
- **Cancel:** Leaves the button unchanged.

Note: To be able to allocate the applications to the buttons in the main view, this must be unlocked in the chapter 4.4 App area under “Editable buttons”.

3.3 Central element

The central element shows an analogue clock with a visible second hand by default. There is the option to hide the second hand.

As an alternative to the clock, there is also the option to display a user-defined image in the central element.

Below is an example of a central element with an image instead of the clock.

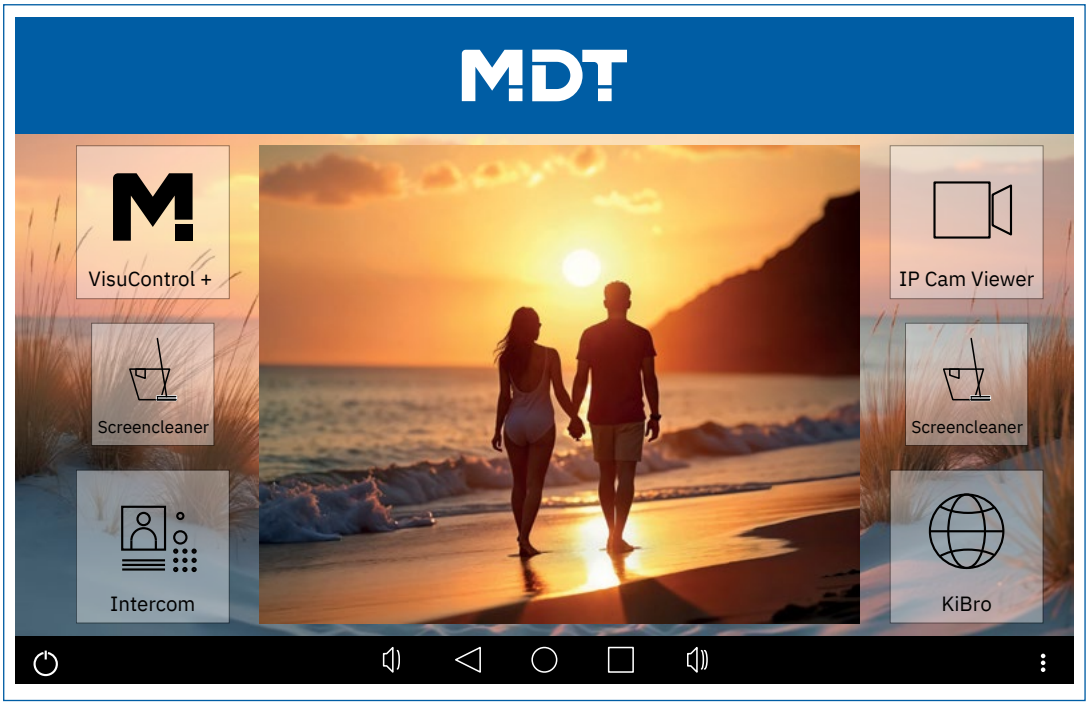


Figure 8: Main view – Central element: Image

4. Settings

The settings accessible via the MDT logo or the menu from the MDT Visu Launcher main view are divided into several categories for a clearer overview.

The screenshot below shows the main categories of settings available.

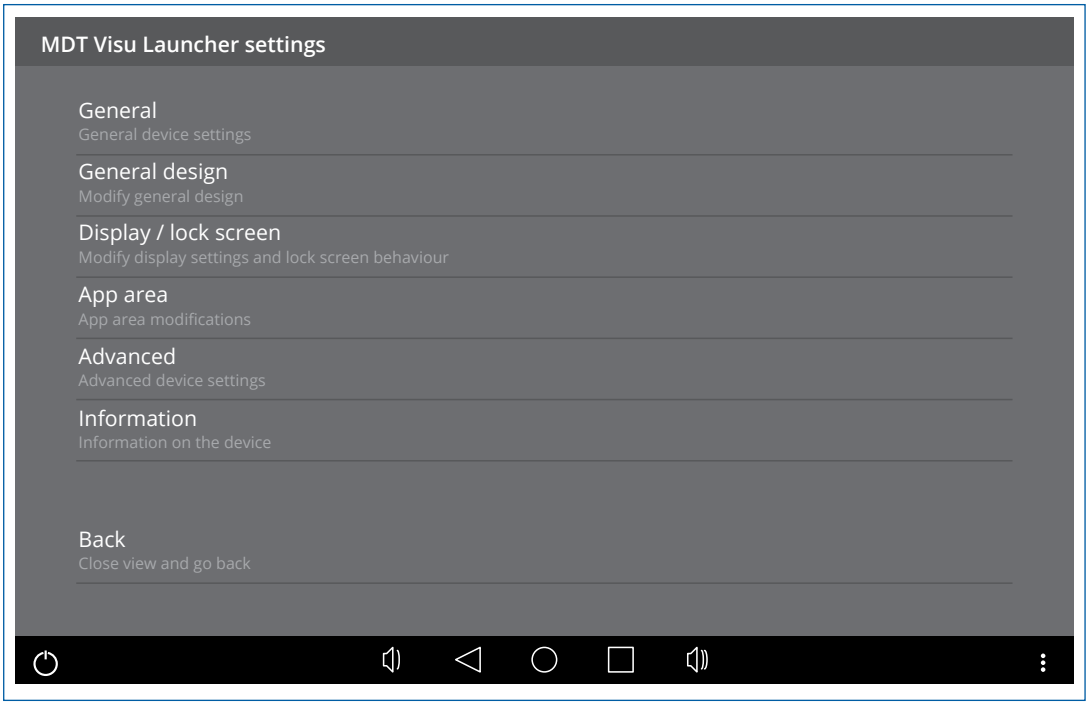


Figure 9: Settings

The individual settings are described in the chapters that follow.

Note: Two access levels are available for the settings, each with its own password: system and user. Individual settings may be deactivated depending on the selected access level.
The system access level is for system integrators and other specialist technical personnel and enables unrestricted access to all settings.
The user access level offers restricted access to secure and/or non-critical settings only and is designed for end users without in-depth knowledge of the device.

Attention: The scope of the settings available depends on the device. This manual describes the usage of the MDT Visu Launcher on an MDT VisuControl Touch Panel with Android 6.

4.1 General

This category includes general settings that apply to the whole device:

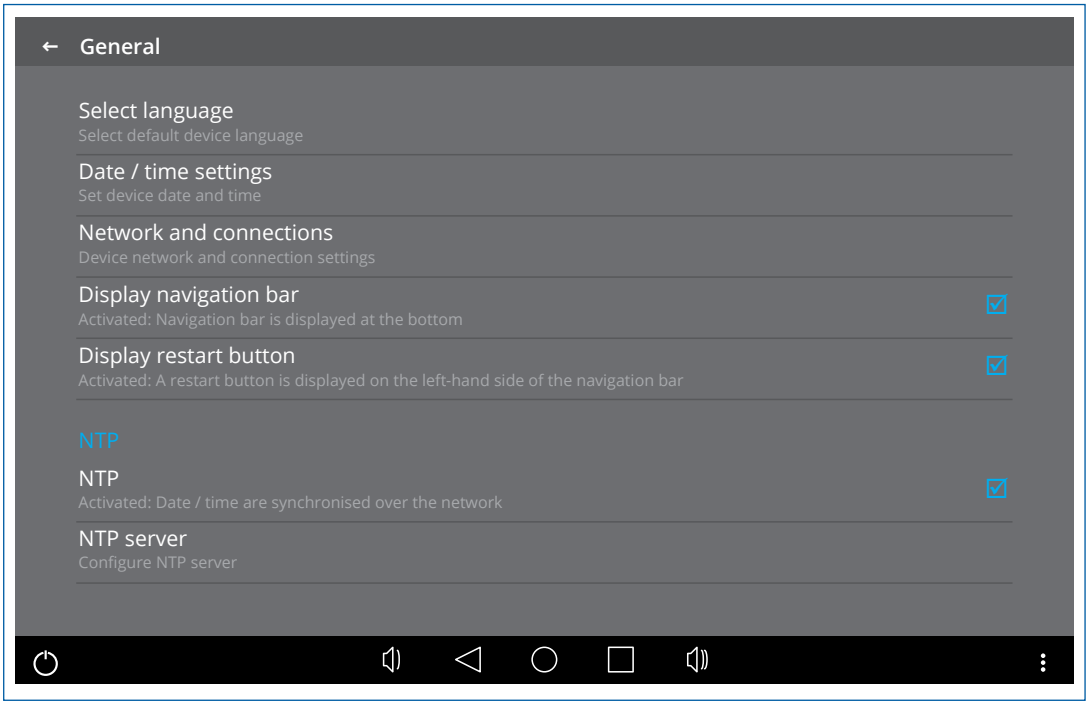


Figure 10: Settings – General

Select language
Allows the device language to be changed

Attention: The default language for the MDT Visu Launcher is English. Translations are also available for German and Italian. However, the underlying Android system supports additional languages. If a language is selected that is not supported by the MDT Visu Launcher, the application uses English automatically. Other applications or system components may continue to use the selected language.

Date/time settings
Date and time settings for the device can be accessed under this menu item.

Network and connections
Configurations for different network-related settings can be applied here.

Display navigation bar
Activating/deactivating the checkbox on the right-hand side activates/deactivates the navigation bar with the system symbols in the bottom line of the panel screen. If the navigation bar is deactivated, the parameter “Display restart button” will be hidden.

Display restart button
Activating/deactivating the checkbox on the right-hand side displays a power-off symbol in the navigation bar in the bottom line of the screen on the left. This generates a device restart.

NTP
Activating or deactivating the checkbox on the right-hand side defines whether the current time and the current date are synchronised over the network.

NTP server
If a time server other than the default NTP server is used, it can be entered here.

Note: Turning NTP on and off here changes the corresponding value in the date/time settings and vice versa.

4.1.1 Network and connections

The menu item “Network and connections” opens a sub-menu with network and connection settings for the device. This contains the settings for Ethernet and device host name.

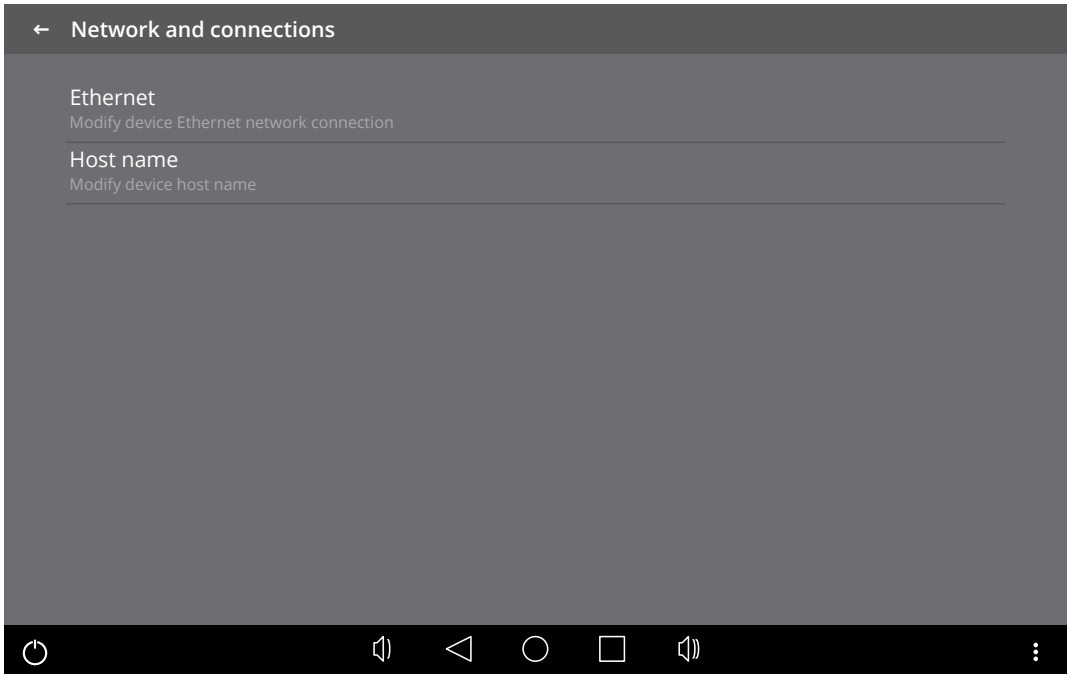


Figure 11: Settings – General: Network and connections

Ethernet
An Android window opens displaying the MAC address of the Ethernet port and the current configuration. The Ethernet port can also be changed or deactivated there. The Ethernet interface can be run in DHCP mode or with a static IP address. When using a static IP address, the relevant network data must be entered.

Host name
This menu item allows the device host name to be changed. If the host name is changed, the device must be restarted so the new host name can be applied. If no host name is entered, the value is reset automatically to “VisuControl_Plus-(serial number)”.

4.2 General design

The “General design” category includes some general settings that make it possible to change the app’s overall appearance.

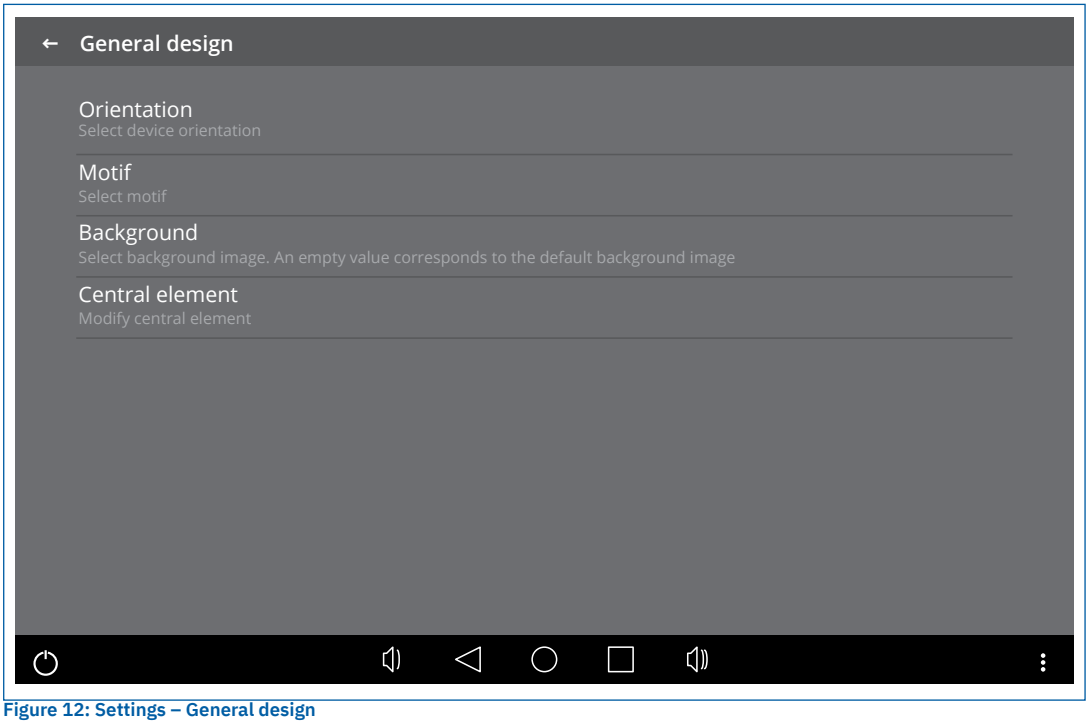


Figure 12: Settings – General design

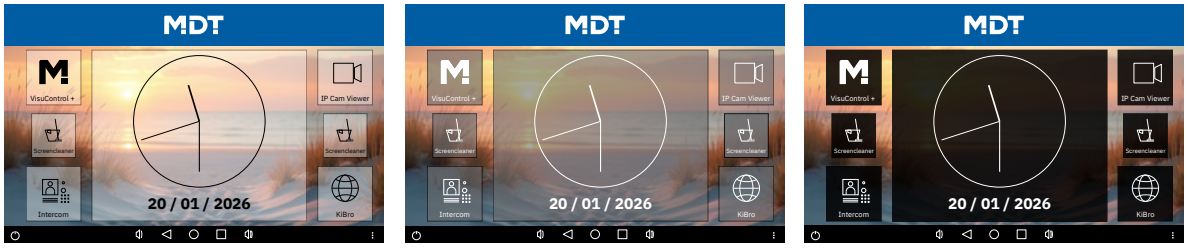
Orientation
This option allows the launcher orientation to be changed.
The following settings are available:

- **Sensor:** The launcher rotates the app automatically, depending on the sensor value.
- **Vertical:** The launcher rotates the display into vertical orientation (portrait).
- **Horizontal:** The launcher rotates the display into horizontal orientation (landscape).
- **Vertical (inverted):** The launcher rotates the display into a 180°-rotated, vertical orientation (portrait).
- **Horizontal (inverted):** The launcher rotates the display into a 180°-rotated, horizontal orientation (landscape).

Important: The selected orientation is only used in the main view of the MDT Visu Launcher and is not applied to other apps.

Motif

The “Motif” menu item allows the launcher colour scheme to be changed. The following motifs are available to choose from: white (default), grey and black. This setting mostly affects the background overlay of the central element and the app area, and the colours used there. Examples of the motifs available are shown below:



Motif: White | Motif: Grey | Motif: Black

Figure 13: Settings – General design: Motif

Background

This setting allows the background image used in the launcher to be changed. When it is opened, the gallery appears. An image stored on the device can be chosen here.

Note: If the image selection is cancelled or the process is reversed before an image is selected, a dialogue appears in which the full path for the image to be used can be entered manually. If this field remains empty or the image cannot be loaded, the default image for the selected motif shall be used.

Attention: If a new image is added to the device (recommended resolution 1280 x 800), it may not appear in the gallery at first, as the Android media framework has not yet registered the file. In this case, the device must be restarted; the image should then be available in the gallery.

Central element

This setting defines the central, middle element of the launcher.
The following options are available:

- **Deactivated:** The central element is hidden; only the buttons in the program area are shown.
- **Analogue clock:** An analogue clock appears in the centre.
  When this option is activated, the additional menu item “Clock seconds display” appears in the “Central element” menu. This defines whether the analogue clock is shown with or without a second hand.
- **Digital clock:** A digital clock appears in the centre.
  When this option is activated, the menu item “Clock seconds display” appears in the “Central element” menu. This defines whether the time is shown with or without a seconds display.
  The menu item “Time format” is also displayed. This enables switching between 12-hour (AM/PM) and 24-hour formats.
- **Image:** An image appears in the centre.
  When this option is activated, an additional menu item “Image” appears in the “Central element” menu. This is used for image selection. The recommended resolution for the image is 600 × 800 pixels.

4.3 Display / lock screen

4.3.1 Display settings

When the “Display” menu item is selected, a menu opens with the following options:

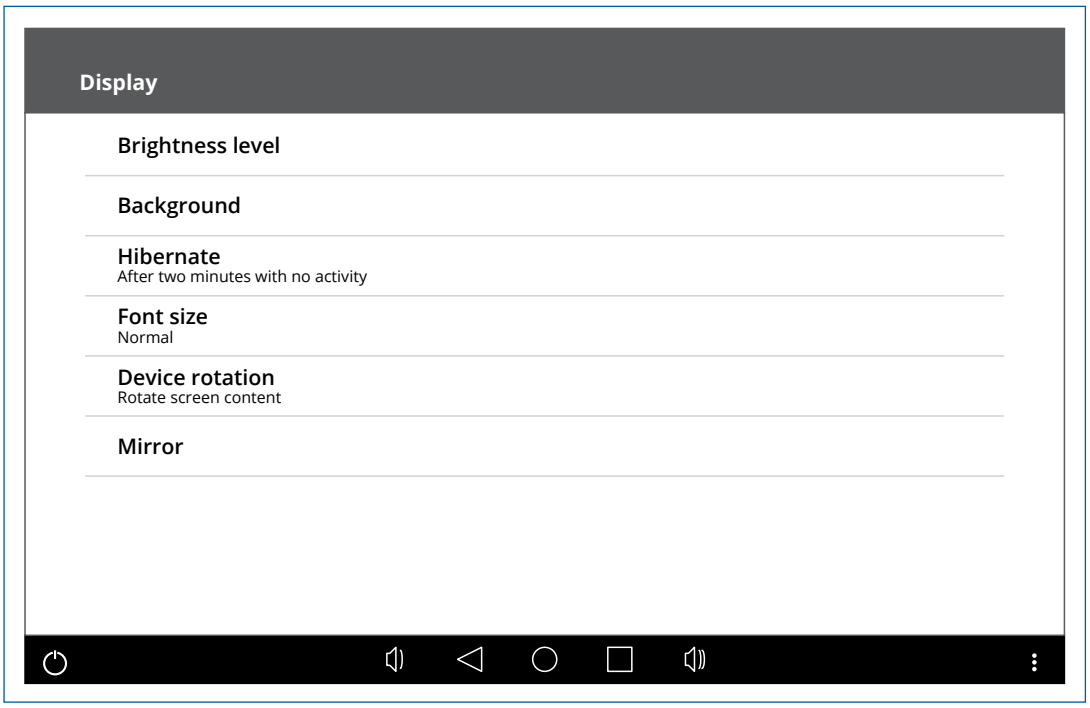


Figure 14: Settings – Display / lock screen: Display settings

Brightness level
Enables configuration of display brightness.
On most devices, as an alternative, the brightness can also be adjusted via the status bar by pulling it down and using the slider displayed there.

Background:
Allows the default background to be changed.

Hibernate:
Defines the period of time after which the display is turned off. This function is deactivated by default and is overwritten by the lock screen settings.

Font size
Allows the font size used on the device to be modified, so text can be displayed larger and smaller.

Device rotation
Enables configuration of device behaviour when rotated.

Mirror
Allows the screen to be mirrored to other devices that support this function.

4.3.2 Energy management

The energy management options are used to define how the screen behaves when the device is not being used.

The following settings are available:

- **Leave display on:** The display is not turned off and always stays on with the set level of brightness.
- **Dim display:** When the device switches to standby mode, it is dimmed to minimal brightness. When it wakes up (e.g. when the user touches the screen), the display is reset to the previous brightness.
- **Turn off display**: The display is turned off in standby mode and can only be activated by the physical Home button.
- **Turn off display and reactivate with sensor:** In standby mode, the display is turned off and can only be "woken up" by the physical home button or the proximity sensor.

Note: To ensure the display's standby behaviour works properly, a time-out must be selected in the lock screen settings.

If the device is set to "Leave display on", the display stays on permanently, irrespective of the value configured in display energy management.

Even if "Turn off display" is selected, individual applications can prevent this, providing they are in the foreground.

4.3.3 Display activation sensor

If the MDT Visu Launcher is installed on a device with a proximity sensor, the device can be awakened from standby mode via the proximity sensor and the corresponding behaviour can be configured.
This function is available in the “Display activation sensor” menu that appears when energy management is set to “Turn off display and reactivate with sensor”.

The illustration below shows an overview of these settings.

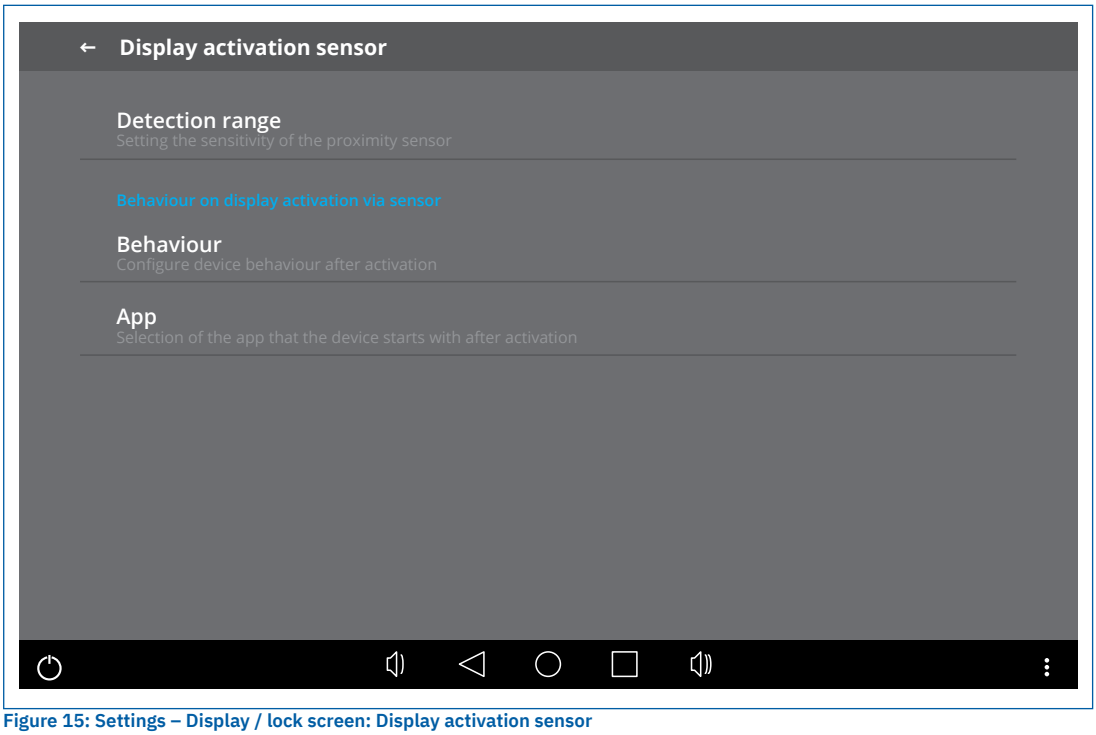


Figure 15: Settings – Display / lock screen: Display activation sensor

Detection range
This option allows the proximity sensor’s detection range to be selected.
If movements are detected within this range, the configured actions are performed – providing the screen is currently turned off.

If the device is already turned on, when movement is detected, the configured standby wait time will restart.

The following values are available:

- **Near:** The sensor responds exclusively to movements in the immediate vicinity (approx. 50 cm).
- **Medium:** The proximity sensor’s detection range is more sensitive; movements are detected at a distance of approx. 1 m.
- **Far:** The sensor is very sensitive and detects movements at a distance of up to approx. 2 m. This can lead to the device turning on even when someone passes by.

Behaviour
This setting determines which behaviour is triggered on display activation when movements are detected. The following options are available:

- **Open current page:** The screen turns back on, similarly to when the physical HOME button is pressed. Where possible, the previously opened page will be displayed. This option is the default setting.
- **Display launcher:** The screen is turned on. Instead of the previously opened app, however, the MDT Visu Launcher main view is displayed.
- **Start app:** The screen is turned on, and instead of the previously opened app, a chosen application starts up. Choosing this option unlocks an additional setting that can be used to select the app to be started.

Note: To prevent accidental triggers, display activation via the sensor does not respond to short, individual movements. Rapid movements, such as a wave, are ignored.

App
When this parameter is selected, a menu appears with a list of all applications installed on the Touch Panel. Once it has been chosen, the device starts automatically with the application specified when the display is activated again.

4.3.4 Adaptive brightness

If the MDT Visu Launcher is installed on an MDT VisuControl Touch Panel with Android 6, the display brightness can be automatically adapted to the ambient light conditions detected via the light sensor. This function is available via the adaptive brightness setting. The following illustration shows the relevant settings:

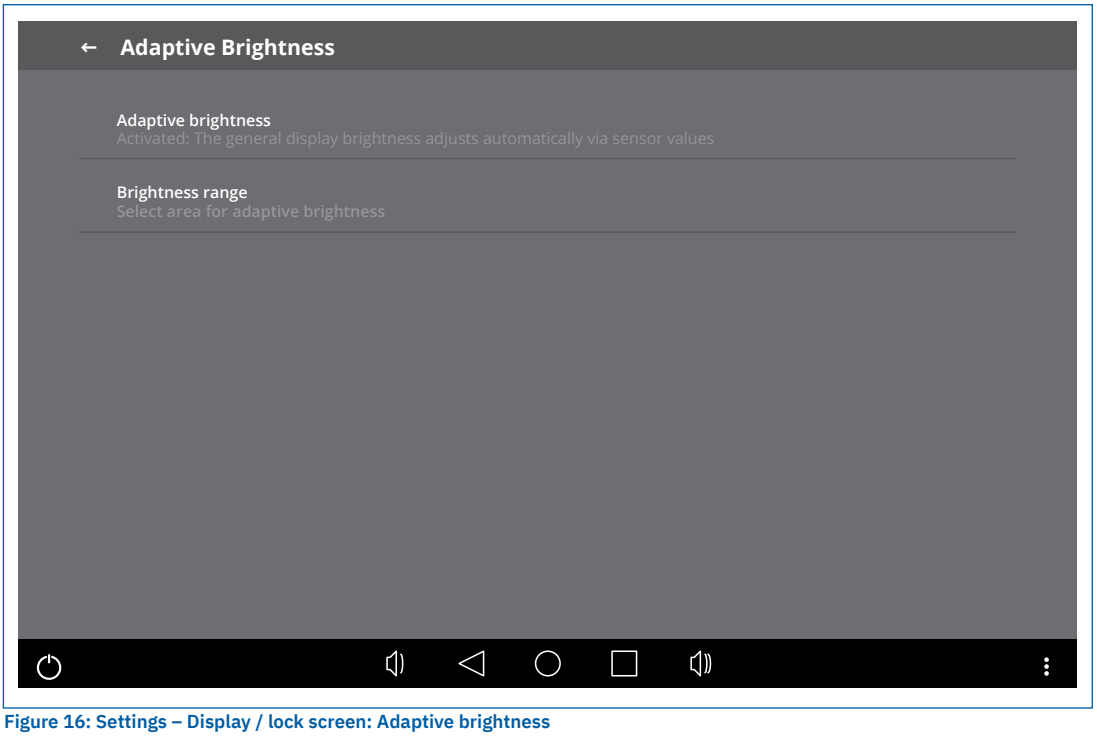


Figure 16: Settings – Display / lock screen: Adaptive brightness

Adaptive brightness
Activating or deactivating the checkbox on the right-hand side defines whether the device operates with set or adaptive brightness. With adaptive brightness, the display gets darker in dark surroundings, and brighter in lighter surroundings. This improves readability in shifting ambient light conditions. On activation, another parameter appears in which the brightness range is set.

Brightness range
This parameter specifies the range within which the adaptive brightness operates.
- Minimum: This value (default: 25%) cannot go below 10% or exceed the maximum.
- Maximum: This value (default: 75%) cannot go below the minimum value or be set above 100%.

When a slider in the pop-up window is moved, the display is temporarily dimmed to the selected value for preview purposes.

When adaptive brightness is triggered, the device automatically adapts the display brightness to the ambient light conditions measured in the space. Based on the sensor values detected, the display brightness is set to a suitable value within the defined minimum and maximum range.

Notes:
- The minimum and maximum values correspond to the device's fundamentally possible brightness range and are independent of the currently configured display brightness.
- Adaptive brightness does not react to short-term individual changes in ambient light conditions. An average of a previous observation period is taken into account instead.
- The display brightness is adjusted at set intervals of 10 s, depending on the sensor values detected and the set brightness range.
- The display brightness can be changed manually even when adaptive brightness is activated; however, this value will be overwritten on the next automatic adjustment.
- When using adaptive brightness, it is recommended that "Dim display" be deactivated in energy management as this overrides the adaptive brightness.
- Adaptive brightness is exclusively available when the software is installed on an MDT VisuControl Touch Panel with Android 6.

4.3.5 Lock screen

The MDT Visu Launcher offers many lock screen functions that operate in a similar way to screensavers and are activated after a set period of inactivity has elapsed.

4.3.5.1 Shared menu items

Once a lock screen is activated, the following shared menu options are available:

- **Activation time:** Sets the period of inactivity after which the device locks automatically.
- **Password:** This parameter is used to define a numeric password that must be entered to exit the lock screen. Password length can be freely configured.
- **Clock:** Activating or deactivating the checkbox on the right-hand side defines whether a clock is shown over the image. The clock uses the device's system time and the configured time format.

4.3.5.2 Lock screen type

The lock screen is deactivated by default; however, there are various alternative configuration options:

Deactivated
The lock screen is deactivated. The device will not switch to the lock screen; the display stays active.

Image
This lock screen allows an individual image to be displayed and optionally a digital clock.
Further settings options are available for this type of lock screen:

- **Image selection:** When image selection is opened, the gallery where an image can be selected appears, like when setting a background image. If no image is defined or the configured image cannot be found, the MDT default image is used.
  An image resolution of 1280 x 800 pixels is recommended.

Slide show
When this option is selected, the lock screen displays a slide show of several images and optionally the current time.
The following additional settings options are available for this type of lock screen:

- **Slide show folder:** Selection of the folder where the images for the slide show are stored. A selection window with all folders available on the Touch Panel opens. The selected folder may only contain the images specified for the slide show.
  An image resolution of 1280 × 800 pixels is recommended.
- **Slide show interval:** Sets the time interval after which the next image is displayed.

Switch function
This lock screen function allows direct control of the digital output of the MDT VisuControl Touch Panel to trigger external events.

A large switch is shown in the middle of the screen. This is operated by tapping the screen.

For this type of lock screen, the following additional settings are available under the menu item “Switch function” – “Display options”:

- **Background:** Opens a pop-up menu with a selection of potential backgrounds.
- **Switch:** A list of different switch designs appears in a pop-up menu.
- **Symbol:** Opens a pop-up menu with a selection of symbols that can be displayed in the middle on the switch.
- **Name:** The text entered in this menu item is shown below the switch.
- **Brightness signal:** The switch is designed as a push-button switch. As a visual confirmation that a switching process has taken place, the display brightness changes briefly: If the screen darkens, this indicates a switch-off. Brightening indicates a switch-on. After a short time, the display brightness is automatically reset to the preset value.

Note: The “image” and “slide show” lock screens can be exited by swiping or touching the screen. The “switch function” lock screen can only be exited by swiping, as touching the screen in this case triggers a switching process.

4.4 App area

The display of applications and number of apps shown is configured in the menu area for the app area. This menu area is structured as follows:

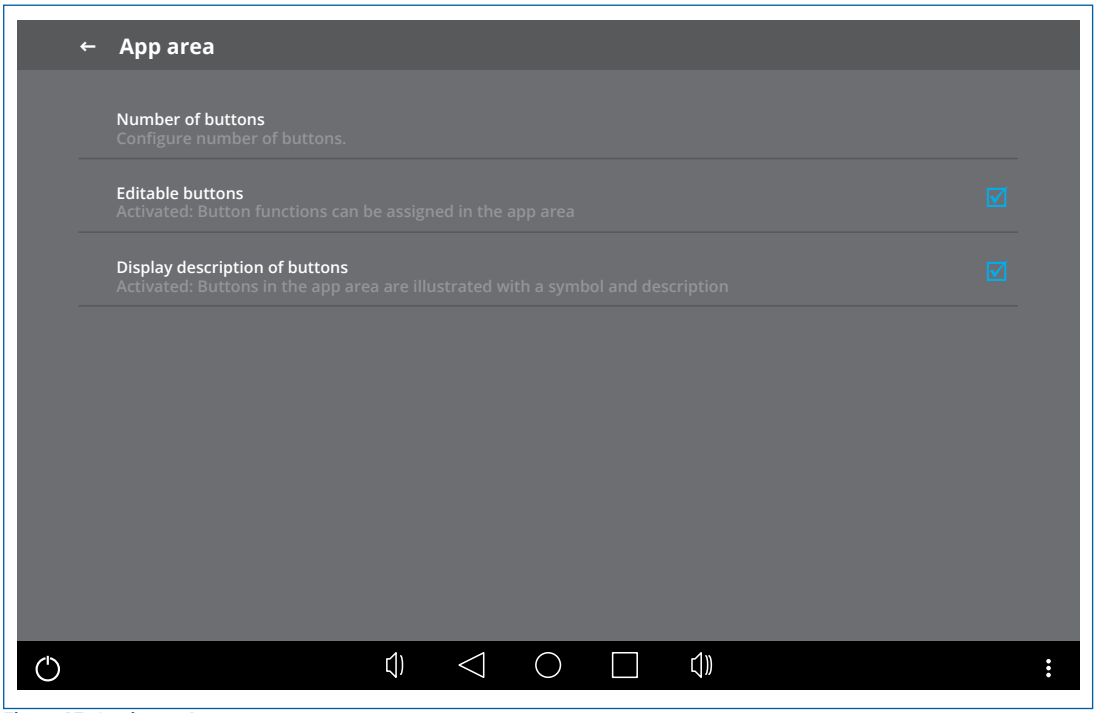


Figure 17: Settings – App area

Number of buttons

In this menu, the number of buttons is selected within a range of two to six. The position of the buttons is predefined and cannot be changed.

The two following tables show the button layout for horizontal and vertical orientation respectively:

Number of buttons	Upper			Lower		
	Left	Centre	Right	Left	Centre	Right
2				✔		✔
3	✔		✔	✔		
4	✔		✔	✔		✔
5	✔	✔	✔	✔		✔
6	✔	✔	✔	✔	✔	✔

Table 1: Arrangement of buttons in the app area with vertical orientation

Number of buttons	Left			Right		
	Upper	Centre	Lower	Upper	Centre	Lower
2				✔		✔
3	✔		✔	✔		
4	✔		✔	✔		✔
5	✔	✔	✔	✔		✔
6	✔	✔	✔	✔	✔	✔

Table 2: Arrangement of buttons in the app area with horizontal orientation

Editable buttons
Activating/deactivating the checkbox on the right-hand side enables or blocks the freely configurable allocation of buttons to the apps installed on the device by the user in the menu view. This button is activated by default. The buttons in the app area can be assigned with a long press. If the option is deactivated, a long press on a button no longer opens the dialog for assigning/removing the button. Instead, the button remains locked in its current configuration.

The process for allocating applications to the buttons in the app area is described in chapter 3.2.1 App assignment.

Display description of buttons
Activating/deactivating the checkbox on the right-hand side activates or hides the app name display in the button. The description of the button is shown by default. When this setting is deactivated, only the symbol for the allocated app is displayed.

4.6 Advanced

This menu item is divided into three sections for clarity.
The first section describes the advanced Visu Launcher settings, while the second section describes the advanced settings of the Android operating system, and the section, the service and support settings.

4.6.1 Advanced device settings

System password
The factory-set system password is “**0000**”.

The system password allows access to all settings available in the MDT Visu Launcher.

The passwords can be changed. To change a password, enter the current password first; the new password must then be entered twice.

User password
The factory-set user password is “**1111**”.

The user password grants restricted access to settings that do not change the behaviour of the device or that of the MDT Visu Launcher. Accordingly, this access level is suitable for users with no prior technical knowledge.

The passwords can be changed. To change a password, enter the current password first; the new password must then be entered twice.

If the user password matches the system password, the MDT Visu Launcher works exclusively with a single user level – the system level – until the user password is changed.

Welcome message
Activating/deactivating the checkbox on the right-hand side displays or hides the welcome message after a system start or display reactivation. If the checkbox “Do not show again” is selected in the welcome message, the checkbox in this menu item will also be deactivated automatically.

Autostart
The device’s autostart behaviour can be configured in this sub-menu.

If this setting is active, the configured app or URL is opened when the device is started.

Autostart is deactivated by default; however, either an application or a URL can optionally be defined to autostart.

If one of these options is selected, select an app from the list of installed applications or give the full URL to be opened.

Automatic restart
This function allows the device to automatically restart at set intervals.

The function is deactivated by default; daily restarts or restarts at a set interval in days can be configured as an option.

In both cases, a time must be set for the restart to be performed.

When selecting the interval in days option, the desired interval in days must also be defined.

VisuControl Plus operating mode

The MDT VisuControl Plus software operating mode is selected under this menu item. The server operating mode is activated by default.

If set to “server” mode, the device is run in stand-alone mode with the connected bus and enables connections from other clients.

However, if “client” mode is activated, the device must be connected with another MDT VisuControl Plus Touch Panel that is run as a server.

Log files
This menu item enables the export of internal log files, which can be used for service and diagnostic purposes.

MDT Synchronizer access
This option allows or denies MDT Synchronizer access to the device. This function is deactivated by default.

The MDT Synchronizer cannot access the device while the setting is deactivated.

Access can either be granted for a limited time or permanently.

4.6.2 Advanced Android system settings

Note: The description of the Android system settings for configuration here is only for the purposes of completeness and is merely a cursory one. No changes are required here to operate the MDT VisuControl Plus Touch Panel.

Attention: **Some changes made in this menu area may not be reversible and the proper running of the device may no longer be guaranteed as a result.**

App administration
This menu item opens an overview of the applications installed on the MDT VisuControl Touch Panel Plus. There is the option to uninstall applications or configure their behaviour.

Sound and notifications
Device-specific sound and notification settings can be controlled in this menu item.

Storage
This menu item shows an overview of internal storage allocation.

4.6.3 Support settings

TeamViewer Quick Support
The TeamViewer Quick Support app is already installed on the MDT VisuControl Touch Panel Plus on delivery.

This application is intended to simplify support cases, as it allows MDT support to create a remote connection to the device, once authorised accordingly by the customer. This requires the Touch Panel to be connected to the Internet via the Ethernet interface.

A remote connection can be established when the ID displayed is sent to the support team member. This ensures more efficient support.

Note: The support team member only obtains a visual overview of the device. Active operation or device control by support is not possible for security reasons.

System update
The scope of functions of the “System update” menu item can be divided into two areas:

Software update
With the System Update app, the MDT VisuControl Touch Panel can either be updated to the latest software version or restored to factory settings.
When a factory reset takes place, all user data and device settings are irretrievably deleted.
The operating system can be updated in two ways:

- Via USB stick: When a new version is available, the update can be downloaded as a ZIP file from the MDT website. It is then loaded onto the device via one of the Touch Panel’s two USB ports.
- Online (OTA – “over-the-air”): The app supports an OTA functionality for obtaining updates straight from the MDT server. If the device is connected to the Internet, users can press the relevant button to check whether a newer version is available. If a new version is found, this is automatically made available to download, then checked and – once confirmed by the user – installed.

Reset to factory settings
When this option is selected, the device restarts, performs the reset and reboots with the factory settings.

Note: When a factory reset takes place, all user data and device settings are irretrievably deleted.

4.6.4 Update tool

The update tool enables updates to the installed applications either online or via a USB stick.

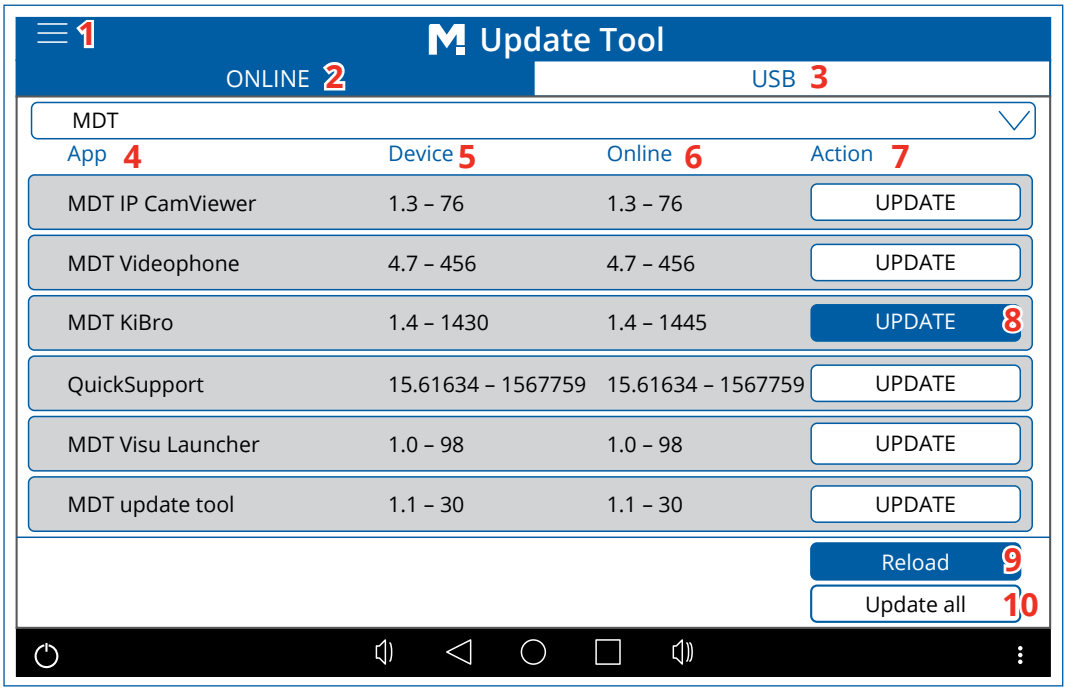


Figure 18: MDT update tool

The program update process

When the update tool is opened, the central area is empty at first.
Pressing the “Reload” button (9) – depending on the source selected, online (2) or USB stick (3) – loads the latest software versions (6) of the listed apps (4) and compares them to the versions (5) installed on the device.
If a newer version of an app is available online, in the “Action” (7) column, the “Update” (8) button is highlighted blue.
Tap a blue “Update” button (8) to start the relevant update.
If several programs should be updated at once, the “Update all” (10) button can be used to do this.

4.6.4.1 Settings in the update tool

Tapping the three lines at the top left opens the settings menu.
In this menu, the following settings are available:

Manage server
The MDT server is entered here by default.

Settings
Selecting this menu item opens the settings menu.
The following options are available:

- **Password protection:** Allows access to settings and server administration to be password-protected to prevent unauthorised access.
- **Leave display on:** Activating the checkbox on the right-hand side deactivates the device's energy options and keeps the display turned on while the update tool is in the foreground. If the checkbox is deactivated, the device runs according to the configured energy options, irrespective of the update tool.
- **Display "Update all" button:** Activating/deactivating the checkbox on the right-hand side shows or hides the "Update all" button.

4.7 Information

This section of the settings contains some general information on the MDT Visu Launcher and the device. In the first part, you'll find general information such as the app version, copyright information and a link to the MDT Privacy Policy. The next part contains information on the device, such as the Android version, image version and device serial number. The last section contains contact information for getting in touch with MDT, including telephone, email and website details. This information is usually used for support purposes.

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6 Appendix

6.1 Disclaimer

Despite careful inspection for compatibility with hardware and software, deviations cannot be ruled out.
No warranty is assumed for this.
Necessary corrections shall be taken into account in future versions of this document.
Technical changes and errors reserved.

6.2 History

V 1.0	First version of the manual	V 1.0 – REV 99	06/2026