

Product Manual

MIOLA Panel v3.2.xxx



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1. CONNECTION TO PROGRAMMING INTERFACE

1.1. INTRODUCTION

Configuring Miola Touch Panel with Miola 3.2 operating system are handled via built-in web server. For this, you need to connect your computer and Touch Panel to the same local area network.



No internet connection is required while operating programming interface.

1.2. NETWORK CONNECTIONS

Miola Touch Panels with Miola 3.2. operating system have single or dual Ethernet Network Interface depending on models. Both Ethernet Interface (ETH0, ETH1) use DHCP by default. Follow the steps below to log-in Programming Interface.

Connect to Network with DHCP Server:

- Connect ETH0 or ETH1 Ethernet Network of Touch Panel to the network.
- Go to Touch Panel UI > Settings > App Settings and then get IP Address of Touch Panel.
- Connect your computer to the same network.
- Enter IP address to web browser.

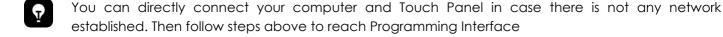
Connect to Network without DHCP Server:

- In this case, Touch Panel needs to have a Static IP Address. Only ETH0 Ethernet Interface is able to configured with Static IP configuration, so use ETH0 Ethernet Interface to connect to network.
- Go to Touch Panel UI > Settings > App Settings. Tap 4 times to App Version to open Integrator Settings (hidden menu). Enter Integrator Password in pop-up window.

A

Default Integrator Password is 1234.

- Tap Integrator Settings. Select Static IP, and then assign a free IP Address to the Touch Panel.
- Connect your computer to the same network and then assign another free static IP Address to your computer.
- Enter IP Address of Touch Panel to web browser.





1.3. FIRMWARE UPDATE

Before starting the configuration of Touch Panel, it should be updated to the latest version.

If Touch Panel has internet Access, via On Screen;

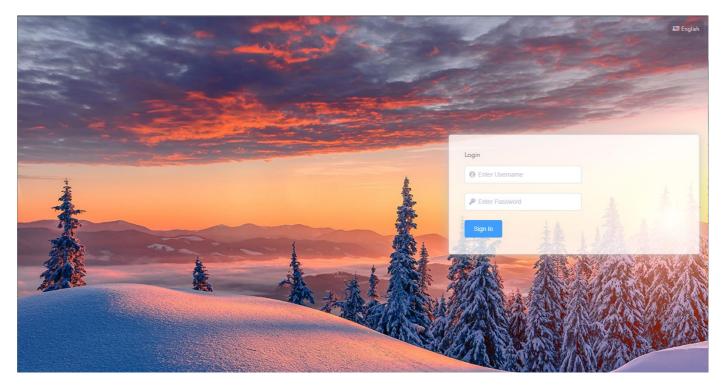
- Go to Settings > App Settings
- A warning will appear if there is a new update
- By pressing "UPDATE" button, new version will be downloaded from Miola Cloud and automatically uploaded to the Touch Panel

Contract	EAE		< KNX TP KNX IP 🎛	,
App Settings	Sector Munch or			
	Serial Number	FI1HEP850620		
Remote	ETHO IP Address	192.168.0.70		
	ETH1 IP Address			
Dification	ETHO Mac Address	70:B3:D5:6F:D0:17		
	ETH1 Mac Address	70:B3:D5:5F:D0:17		
Security	Last Restart Time	2022-08-12 14:32:48		
	App Version	3.2.138		
Ringtone			UPDATE	
General				



1.4. WEB INTERFACE LOGIN

After completing network configuration, open a web browser in your computer and enter IP Address of Touch Panel. Then you will reach log-in page of Miola 3.2. operating system.



Enter Username and Password to log-in to Interface. Default username and password is below. You can change username and password after log-in to Interface.

Default Username : EAEAdmin Default Password : EAE1234



You can change language of Programming Interface by clicking button in the upper right corner of log-in page. Supported languages are English and Turkish.

If you can not log-in, delete cookies and search history of web-browser and try to log-in again.

1.5. PROGRAMMING INTERFACE OVERVIEW

Technology	Dashboord				(C) [≊ English (B) 🛛 EAE
na V	(D) Drivers	29 Accessories	2 Rooms	O	0 Scenes	IP Comeros
&Automation ~	General Information					
lings 🗸	Device Name			My Smart Home		
n Settings 🗸 🗸	Operating System			Android 8.1.0		
	Model			Miola		
	Product Code			EAE-TS-10-KNIG-GL		
	Serial Number			FI1HEP850620		
	ETH0 Address			70:83:D5:6F:D0:17		
	ETH1 Address			70:83:D5:5F:D0:17		
	SW Version			3.2.140		
	Location			Istanbul, Turkey		
	(E)					
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(A). Programming Interface Menu:

Menus related to configuration of all parameters of Touch Panel.

- Dashboard: The menu that shows general information about Touch Panel and summary of configured parameters.
- Devices: The menu that enables to configure accessories controlled by Touch Panel, their drivers and rooms.
- Intercom: The menu that enables to configure settings of intercom feature and intercom contacts.
- Scene & Automation: The menu that enables to configure scenes and automation rules.
- Security: The menu that enables to configure security system with connected sensors and IP Cameras.
- UI Settings: The menu that enables to configure objects in Touch Panel User Interface.
- System Settings: The menu that enables to configure general system settings of Touch Panel.

(B). Programming Interface Shortcuts :

In this menu, there are functions such as changing the username password of Programming Interface, restarting Touch Panel when necessary and exit Programming Interface.

(C). Language Options:

Here are the language options of the Programming Interface. Supported languages are English and Turkish.



Selected language is only available for Programming Interface. It does not change the language of Touch Panel User Interface.

(D). Dashboard – Summary Information:

Summary view shows number of added drivers, accessories, rooms, contacts in intercom, created scenes and IP Cameras in Touch Panel.

(E). Dashboard – General Information about Touch Panel:

Here are the general information about Touch Panel.

2. SYSTEM SETTINGS

2.1. INTRODUCTION

This section describes the configuration of settings required for installation, commissioning and maintenance of Miola Touch Panel. All settings described in this section can be found in System Settings menu. To access all of these settings, you must first be logged into Programming Interface. Submenus placed under System Settings are listed below:

- Import / export
- General
- Network
- RSS Settings
- Security

2.2. PROJECT IMPORT / EXPORT

2.2.1 EXPORT

You can backup configurations in Touch Panel and restore these in another Touch Panels. To do this:

- Go to System Settings > Import / Export
- Click Export

EAE Technology	System Settings / Import/Export		🛤 English	e EAEAdmin				
👔 Dashboard				_				
🔱 Devices	Import / Export							
Intercom								
Scene & Automation	-S Import	₽ +	Export					
e Security								
💉 UI Settings	Important Information							
🔅 System Settings	You can back up your data from this screen and restore it later. You can al important to note that if the current device has data for the module you wo			ens. It is				
- Import/Export	Also note that if you import drivers and accessories, scenes inside the device will be deleted even if you do not import the scenes. If you							
茸 General	import scenes or export, you should know that even if you do not select dri the system may not function properly.	ivers and accessories,	they will also be imported / expo	orted because				
뭅 Network								
RSS Settings								
Security								
2020 🕲 EAE - v3.2.57								

• Select modules to backup and click export in the pop-up window.

Select Modules	×
v 🔽 🐳 Devices	
🗹 🖞 Drivers And Accessories	10 Accessory(s) and 2 Driver(s)
🗹 🛠 Rooms	1 Room(s)
👻 🖬 Security	
✓ ■ IP Cameras	0 IP Camera(s)
👻 🗹 Scenes And Automations	
Scenes	3 Scene(s)
Triggers	2 Trigger(s)
🔻 🗹 🔲 Intercom	
🗹 🚨 Contacts	2 Contact(s)
Intercom Settings	
👻 🗹 UI Settings	
🔽 💼 Widgets	7 Widget(s)
👻 🔽 🏚 System Settings	
🔽 幸 General Settings	
✓ 器 Network Settings	
Export	

• Backup file is saved as backup.json in your computer.

2.2.2 IMPORT

You can restore backup configurations to Touch Panel. To do this:

- Go to System Settings > Import / Export
- Click Import

EAE Technology	System Settings / Import/Export		📴 English	e EAEAdmin				
👔 Dashboard				_				
🖶 Devices	Import / Export							
🧾 Intercom								
O Scene & Automation	-S Import	Expo	rt					
A Security								
💉 UI Settings	Important Information							
🔅 System Settings	You can back up your data from this screen and restore it later. You can also transfer th important to note that if the current device has data for the module you want to import,		cked up to other scre	ens. It is				
	Also note that if you import drivers and accessories, scenes inside the device will be de	not import the scene	s. If you					
🚍 General	import scenes or export, you should know that even if you do not select drivers and acc the system may not function properly.	cessories, they will a	so be impo <mark>r</mark> ted / exp	orted because				
器 Network								
RSS Settings								
Security								

• Choose backup file and install in the pop-up window.



Previously configured module parameters will be deleted while restoring selected modules.

If Accessories and Drivers are exported, previously configured scenes will be deleted even scene configurations are not exported. This is because previously configured accessories and drivers will be deleted.



If scenes are imported/exported, accessories and drivers will be imported/exported to run scenes properly.



2.3. GENERAL 2.3.1. PROJECT SETTINGS

It is the section where information such as which block the Touch Panel is in, which floor, which flat it is in and the contact information of integrator commissioned the project are configured. Required information will be used to filter Touch Panels when the remote configuration feature is enabled. To do this:

- Go to System Settings > General > Project Settings
- Enter name of the project, block name, Floor number and Flat number.
- Enter the location of the Touch Panel.

Weather information of the related location is cached from weather servers and displayed in the dashboard of the Touch Panel user interface. Internet connection is required to do this.

- Enter the name and phone number of the integrator.
- Click save to apply changes.

Project Settings		1 Save
Project Name	Project_1	
Block Name	Block_A	
Floor Number	- 5 + Flat Number - 10 +	
Location	Istanbul, Turkey	
Contact Name	Ahmet Yilmaz Contact Phone +90 530 123 45 67	

2.3.2. DEVICE SETTINGS

It is the section where information such as name of the Touch Panel, user interface language and background picture are configured. To do this:

- Go to System Settings > General > Device settings
- Enter the name of Touch Panel. Name can be considered as the name of smart home because Touch Panel is the controller of Miola Smart Home System.
- Choose the language of Touch Panel user interface.
- Click Select File and choose preferred background picture. You can blur the picture by clicking blur button. Background picture must be;

1280px X 800px for 10" Touch Panels and 600px X 1024px for 7" Touch Panels.

• Click save to apply changes.

Device Name Meeting Room
Touch Panel Language en (English) \vee
Bockground Image Select File Blur
eae-technology-logo-1.prg
🗟 ece-technology-logo-1.png

2.3.3. SCREENSAVER SETTINGS

It is the section where Touch Panel Screen Saver settings are configured. To do this:

- Go to System Settings > General > Screen Saver
- Choose Screen Saver Time. Time can be selected between 1 60 minutes.
- Click save to apply changes.

ScreenSaver Settings

www.eaetechnology.com

1. Save

2.3.4. WEATHER SETTINGS

It is the section where whether settings are configured. To do this:

- Go to System Settings > General > Weather Settings
- Choose temperature unit.
- Choose polling period of weather information from Cloud Servers.
- Click save to apply changes.

Weather Type C (Cen	ntigrade) \lor					
Polling Period 10		min				

2.3.5. DOORBELL & RINGTONE SETTINGS

It is the section where doorbell and ringtone settings are configured. To do this:

- Go to System Settings > General > Doorbell & Ringtone Settings
- Click doorbell enable button to activate doorbell function.
- Choose doorbell trigger type
 - System I/O Input
 - o KNX
- Enter requested parameters according to doorbell trigger type.
- Choose doorbell ringtone.
- Choose doorbell ringtone repeat count.
- Turn on Camera Preview if you want to view selected camera when doorbell is triggered.
- Choose camera to be displayed. Note: To do this, camera must be added to Touch Panel from menu Security > IP Cameras.
- Enter the sequence of camera display when doorbell is triggered.
- Choose intercom ringtone from the list. This ringtone will play when intercom call is received.
- Click save to apply changes.

Doorbell & Ringtone Setting	S	1 Save
Doorbell Enable		
Doorbell Type	Input ~	
Doorbell Input	Input 1 V	
Doorbell Ringtone	Ringtone 1 V	
Doorbell Repeat Count	1	
Camera Preview		
Intercom Ringtone	Ringtone 1 V	

2.3.6. DATE & TIME SETTINGS

It is the section where time settings are configured. To do this:

- Go to System Settings > General > Date&Time Settings
- Choose time zone(GMT)
- Click save to apply changes.

Date Time Settings

GMT Europe/Istanbul (+03:00)



2.3.7. KNX SETTINGS

It is the section where physical address of Touch Panel in KNX Bus is configured. To do this:

- Go to System Settings > General > KNX Settings
- Enter KNX Source Address of Touch Panel.
- Click save to apply changes.

Source Address 15.15.250	KNX Settings				
Source Address 15.15.250					
	Source Address	15.15.250			



2.4. NETWORK SETTINGS



Touch Panels with dual Ethernet Interfaces (ETH0, ETH1) can be connected to 2 different LAN at the same time. Thanks to this feature, home and building network can be isolated from each other in multi flat residential buildings.



While ETH0 can be configured as Static and DHCP IP configuration, ETH1 is only configured as DHCP configuration.

Δ

Both Ethernet Interfaces have ability to connect to internet. That's why, when both interfaces are connected to local networks, it should be specified through which local network the Touch Panel should be connected to internet.



If Both Ethernet interfaces are used, it is recommended to configure ETHO and ETH1 IP addresses in different IP blocks

In this section, you can determine which Ethernet interface the Touch Panel should connect to internet. To do this:

- Go to System Settings > Network
- Select which Ethernet interface you want the Touch Panel to connect to internet. Make sure that there is an internet connection in the network that your preferred interface is connected to.

If there is an internet connection in both networks, internet connection will be provided from the interface you prefer.

• Click save to apply changes.

It is the section where ETH0 Ethernet network interface settings are configured. To do this:

- Go to System Settings > Network
- Choose IP Client mode (Static, DHCP)
- Enter requested parameters in case you choose Static IP.
- Click save to apply changes.

EAE Technology	System Settings / Network	🥅 English	e EAEAdmin
👔 Dashboard	Ethernet Settings		🟦 Save
	×		
intercom	Preferred Internet eth0 ~		
Scene & Automation			
A Security	ETH0 (70:B3:D5:6F:D0:17) ETH1 (70:B3:D5:5F:D0:17) Ethemet cable unplugged		
💉 UI Settings	Mode DHCP		
🔹 System Settings	Address 192.168.0.70		
	Netmask 255.255.255.0 V		
茸 General	Gateway 192.168.0.1		
Retwork	Dns 1 8.8.8.8		
RSS Settings	Dns 2 8.8.4.4		
🔰 Security			
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2.5. RSS SETTINGS

It is the section where RSS Feeds settings are configured. Supported RSS headlines:

- News
- Business
- Technology
- Sports
- Economy

When the RSS feeds under these headlines are checked, they will be displayed on the RSS Widget in the dashboard of Touch Panel user interface.

RSS Settings		1. Save
Polling Period	10 min	
News		
Mewyork Times		
CNN Türk		
📄 🔊 BBC Türkçe		
СИИ		
BBC News		
Business		
Newyork Times		
BBC News		
 Newyork Times CNN 	·	

To configure RSS Feed polling period:

- Go to System Settings > RSS Settings
- Enter a value to polling period.
- Click save to apply changes.

To add an RSS feed other than standard RSS feeds:

- Go to System Settings > RSS Settings
- Enter the title of RSS feed.
- Enter the URL of RSS Feed
- Click Add button
- Click save to apply changes.



2.6. SECURITY SETTINGS

This is the section where Security System Password and Integrator Password of Touch Panel are configured. To do this:

- Go to System Settings > Security Settings
- Enter Arm/Disarm password of Security System. You must first activate password on Touch Panel UI. (See <u>Security Panel Settings > Settings to be made on Touch Panel UI</u>)
- Enter Panel Integrator Password. Default password is 1234
- Click save to apply changes.

Security Settings		<u></u> ♣ So	ve
Arm/Disarm Password	0000		
Panel Integrator Password	1234		

3. UI SETTINGS

3.1. INTRODUCTION

Configurations of the Touch Panel user interface are made in this section. You can customize the interface by adjusting visual settings for the widgets and menus on the dashboard.

3.2. WIDGETS

Widgets are useful sections of the Touch Panel user interface that appear on the dashboard. Thanks to these widgets, user can directly access favorite devices, rooms, scenes, intercom shortcuts, intercom favorite contacts, security panel and RSS feeds on the dashboard.

Available Widgets:

- Favorite Devices
- Favorite Scenes
- Favorite Rooms

- Security Panel
- Intercom Shortcuts
- Intercom Favorite Contacts

EAE Technology	=	UI Settings	/ Widgets		📟 English	9 E/	AEAdmin
👔 Dashboard				Widgets			£
ψ Devices	Enable	lcon	Title	Туре		Action	-
ittercom [intercom]			Favorite Scenes	Scene		ď	≡
Scene & Automation			Favorite Devices	Device		ď	≡
A Security		Ø	Security Panel	Security		ď	≡
룱 UI Settings			Intercom Shortcuts	Contact		ď	≡
📋 Widgets		-	Intercom Favorites	Shortcut		ľ	≡
👥 Menu Items		A	Favorite Rooms	Room		ď	=
🔹 System Settings			RSS Feeds	RSS		ď	
2020 © EAE - √3.2.57							
- 2020 @ LAL - 13.2.37							

3.2.1. ENABLING WIDGETS

- Go to UI Settings > Widgets
- Click the box in the Enable column which widgets you want to display on the dashboard.
- Click 🕑 button to save changes.

3.2.2. ARRANGING WIDGET ORDER

- Go to UI Settings > Widgets
- Change the order with drag and drop after click and hold \equiv button in the Actions column.
- Click 💽 button to save changes

EAE Technology		UI Setting	is / Widgets		💶 English	e eaea	Admin
👔 Dashboard				Widgets		-	•
🖶 Devices 🗸 🗸	Engble	lcon	Title	Туре		Actions	
Intercom							
(t) Scene & Automation			Favorite Scenes	Scene		ľ	=
C Scene & Automation			Favorite Devices	Device		ľ	=
🐴 Security 👋		•				-0	
💉 UI Settings 🛛 🔿		n	Favorite Rooms Security Panel	Room Security		ď	=
💼 Widgets		•					
Menu Items		=	Intercom Shortcuts	Contact		ď	=
Menu items		=	Intercom Favorites	Shortcut		ď	
🔹 System Settings 🛛 🗸			RSS Feeds	RSS		ď	

3.2.3. EDITING WIDGETS

- Go to UI Settings > Widgets
- Click 🗹 button to change the title and icon of the widgets
- Chanae the title and icon of the widget in the pop-up window and confirm.
- Click
 button to save changes

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Update Widget	×	
lcon	Icon 9 ~	
* Widget Title	Favorite Accessories	
	Cancel	



3.3. MENU ITEMS

Menus are the items displayed on the dashboard of Touch Panel user interface. From these menus, Devices, intercom system, security panel, scenes, automation recipes and concierge system can be accessed. Unused menus can be removed from dashboard.

n Dashboard					
				Menu Items	0
Devices	~			Menu items	
	Enable	lcon	Title		Actions
Intercom		ģ	Devices		≡
Scene & Automation	×		Intercom		≡
Security	×	0	Security		Ξ
🖌 UI Settings	^	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	Scenes		≡
📋 Widgets			Automation		≡
👥 Menu Items		\bigtriangleup	Concierge		
System Settings			Applications		

3.3.1. ENABLING MENUS

- Go to UI Settings > Menu Items
- Click the box in the Enable column which menus you want to display on the dashboard.
- Click 💿 button to save changes

3.3.2. ARRANGING MENU ORDER

- Go to UI Settings > Menu Items
- Change the order with drag and drop after click and hold \equiv button in the Actions column.
- Click button to save changes

EAE Technology		UI Settings /	/ Menu Items		🧮 English	e EAEAdmin
🕐 Dashboard	-					-
🖶 Devices	-			Menu Items		
	Enable	lcon	Title			Actions
Untercom			Devices			≡
Scene & Automation	Image: Second	0	Security			=
A Security			Intercom			≡
🖌 UI Settings		222222 D	Scenes			Ξ
📋 Widgets		(((Automation			Ξ
🁥 Menu Items		\bigtriangleup	Concierge			
🔅 System Settings			Applications			

4. DRIVERS

4.1. INTRODUCTION

Drivers are the automation interfaces to which accessories will be connected. Miola 3.2. operating system offers possibility to connect with many different automation interfaces. This provides the opportunity to control accessories connected to more than one automation interface on the same Touch Panel at the same time in the same user interface.

Available Drivers:

- KNX Twisted Pair
- KNXNet/IP
- System I/O



In order to add a new accessory to the Touch Panel, it is necessary to add the driver to which that accessory will be connected first.

4.2. ADDING NEW DRIVER

In this section, a new driver is added to Touch Panel. To do this:

- Go to Devices > Drivers
- Click 🛨 button
- Choose the driver that you want to add.
- Enter required information related to driver and click Add button.

	Devices / [Drivers	🗯 English	e EAEAdmin
🕐 Dashboard		Drivers		Ð
Devices Λ				-
🚗 Drivers	Туре	Description		Actions
ط Accessories	KNXnet/IP	192.168.0.44:3671		r ii
🐴 Rooms	KNX Twisted Pair			⑪
Intercom	System I/O			Ū
O Scene & Automation ∨				
🐣 Security 🗸 🗸				
🖌 UI Settings 🛛 🗸 🗸				
System Settings 2020 © EAE - v3.2.57				
				*
	Add Driver			
	Driver Type	Select Driver Type		
		System I/O		
		KNXnet/IP		
		KNX Twisted Pair		

4.3. EDITING DRIVERS

You can edit previously added driver's information in this section. To do this:

- Go to Devices > Drivers
- Click 🗹 button of the driver you want to edit.
- You can edit information about driver in page.

EAE Technology	Devices / Dri	📟 English	e EAEAdmin		
ᇌ Dashboard	← Back		Update Driver		
🔱 Devices 🔷			Opdale Driver		
📻 Drivers	Update Driver				
ل Accessories	Driver Type	KnxlP ~			
🗥 Rooms	IP Address	192.168.0.44	:3671		
intercom 🗸 🗸		ℓ_ Save			
O Scene & Automation ∨					
🔒 Security 👋 👋					
💉 UI Settings 🛛 🗸					
🤹 System Settings 🛛 🗸					
2020 © EAE - v3.2.57					

4.4. DELETING DRIVER

You can delete previously added driver in this section. To do this:

- Go to Devices > Drivers
- Click 🔟 button of the driver you want to delete.
- Driver will be deleted after confirming delete process in the confirmation box.



When a driver Is deleted, all accessories related to this driver will be deleted.

5. ROOMS & SECTIONS

5.1. INTRODUCTION

Rooms & Sections is where smart home accessories will be displayed in Touch Panel user interface. Creating room and section with names in accordance with the physical rooms in the building/house will be beneficial for the user experience. You can give names and also icons to rooms.



There is always a default room in Touch Panel for convenience in adding accessories, deleting rooms and so on. This room cannot be deleted, but its name and icon can be changed.

EAE Technology		Ξ	Devic	es / R	looms			💻 English	6	EAE	Admin
🕋 Dashboard		-	-	-					-		-
번 Devices	~					Rooms					
금 Drivers		Add	Room	A	Add Section						
() Accessories		#	Sectio	n					Actio	ns	
🕋 Rooms		=	1ST #	lcon	Name		Accessory Count		C 🛍 Action	5	~
Intercom	~		≡	ĥð	Study Room		21		C (1	+
C Scene & Automation	~		≡	ģ	LIVING ROOM		2		ළ් (1	+
A Security	~		≡	-ii	KITCHEN		0		ල් ර	1	+
💕 UI Settings	~	=	2ND						c û		~
🔹 System Settings	~	-	#	lcon	Name		Accessory Count		Action	5	-
			=	F	Meeting Room		1		2 (1	+
			=		BATHROOM		0		2 (۵	+
			=	Â	BEDROOM		0		2 (۵	+

5.2. ADDING NEW SECTION

You can add sections belong to project and displayed in Touch Panel user interface. To do this:

- Go to Devices > Rooms
- Click Add Section button.
- Enter the name of the section in the pop-up window.
- Click Confirm and Save changes.

Add Section		×
* Section Name	3RD	
	Cancel	Confirm

5.3. ADDING NEW ROOM

You can add sections belong to project and displayed in Touch Panel user interface. To do this:

- Go to Devices > Rooms
- Click Add Room button.
- Enter the name, icon and section of the room in the pop-up window.
- Click Confirm and Save changes.

Add Room			×
lcon	Icon 5		
* Room Name	New Room		
Section	1ST		
			Cancel Confirm

5.4. EDITING ROOMS

You can edit previously added room from Touch Panel user interface. To do this:

- Go to Devices > Rooms
- Click 🗹 button of the room you want to edit.
- You can edit information about room in page.

Update Room			×
lcon	Icon 5 \checkmark		
* Room Name	New Room		
Section	1ST ~		
		Cancel	Confirm

5.5. ARRANGING ROOM OR SECTION ORDER

The rooms you have added are displayed in the rooms list on the Touch Panel user interface. You can change the view order of any room in this section. For this:

- Go to Devices > Rooms
- You can change order of a room by drag and drop of \equiv button placed in # column of the room.
- You will see confirmation notification after process is completed.

Add Room Add Section			Add Room Add Section	
# Section		Actions	# Section	Actions
		Acività		C 🖻 🗸
≡ 1ST		ľ 🖻 🗸 🗸	# Icon Name Accessory Count	Actions
# Icon Name	Accessory Count	Actions	E Meeting Room 1	201+
	2	C C 🛈 +	≣ 1ST # Icon Name Accessory Count	C 🖻 · ·
≡ 👔 Study Room	21	C C 🛈 +		C C 🛈 +
			≣ 👔 Study Room 21	201+
	0	2014	E CTCHEN 0	201+

5.6. DELETING ROOMS

You can delete previously added room from Touch Panel user interface. To do this:

- Go to Devices > Rooms
- Click 🔟 button that of the room that you want to delete
- Click Confirm and Save changes.



When a room is deleted, the accessories related to this room are not deleted and transferred to default room so these can be reconfigured later.

5.7. COPY ROOMS

You can copy a room you have added before, along with the devices in it. To do this:

- Go to Devices > Rooms
- Click 🖞 button of the room that you want to copy.
- New copied room is added to Touch Panel, after entering its name and confirming changes.

Duplicate Room		×
* Name ENTRANCE		
	Cancel	Confirm
	Cancel	confirm

By copying a room with accessories added in it, you can copy all the accessories in it at once.

5.8. ADDING ACCESSORY IN ROOM SETTINGS

You can add an accessory to previously added room. To do this:

- Go to <u>Devices</u> > Rooms.
- Click 🗄 button in the operations column of the room you want to add accessory to
- Here you will be redirected to Add New Accessory wizard. After entering necessary information, new accessory will be added to room.
 - Adding accessory from room, can be thought of as a shortcut to the Add New Accessory wizard.

6. ACCESSORIES

6.1. INTRODUCTION

In order to control devices connected to automation interfaces of Touch Panel, it must be added as an accessory in the Programming Interface. Miola 3.2 operating system allows to control many different types of accessories related to different automation interfaces simultaneously on a single platform. In this way, the user experiences smooth smart home control experience.

6.2. ADDING NEW ACCESSORY

You can add many different types of accessories for the control of smart devices on Touch Panel. To do this:

- Go to Devices > Accessories
- Click
 button

EAE Technology		Devices / Accessor	ies			📟 English	e EAEAdmin
Dashboard Devices ^				Accessories			Ð
• — Drivers	Icon	Name 崇	Category~	Room ~	Driver ~	Favorite	Actions
U Accessories	$\stackrel{\frown}{\frown}$	Ali	Dimmer	Meeting Room	KNXnet/IP	<u>لا</u>	°C 🛈
🚓 Rooms 📖 Intercom 🗸 🗸		Cam Tarafı Group	Dimmer	Study Room	KNXnet/IP	<u>ک</u>	? C û
Scene & Automation	Ļ	Emre Dalgıç	Dimmer	Study Room	KNXnet/IP	<u>ර</u> ල	°C 🛈
A Security	Ļ	Fuat 1	Dimmer	Study Room	KNXnet/IP	† @	°C 🛈
💉 UI Settings 🛛 🗸	Ļ	Fuat 2	Dimmer	Study Room	KNXnet/IP	† @	° C 🛈
ysien senings	$\bigcup_{n=1}^{n}$	Halil Akpınar Arka	Dimmer	Study Room	KNXnet/IP	公 [2]	°C 🗇
	Ļ	Halil Ön	Dimmer	Study Room	KNXnet/IP	☆ @	° C 🛈
2020 © EAE - v3:2.57							•

• Add New Accessory wizard will appear. All accessories are easily added with information entered in this wizard in 3 steps.

The information to be entered varies according to the type of driver and accessory. Accessory based detailed information are explained in Supported Device Types section.

• In the first step, enter information such as the name of the accessory, room, the driver it is connected to, whether it is a favorite device and whether the device will appear in the user interface or not.

EAE Technology	Devices / Accessory Add		🗏 English 🛛 😝 EAEAdmin
👔 Dashboard			
🕂 Devices	← Back	Add Accessory	
🕂 Drivers		2	3
U Accessories	Step 1 Enter device name, room and driver	Step 2 Select category	Step 3 Configure device details
🐣 Rooms	« Back		Next »
intercom	* Accessory Name	Shutter 🥥	
O Scene & Automation	Room	LIVING ROOM \sim	
A Security	* Driver	KNXnet/IP V	
💉 UI Settings	Favorite		
🔹 System Settings	Visible		
		-	

You can display the accessories that user will use frequently on the dashboard of Touch Panel user interface. For this, mark accessory as favorite. Then enable Favorite Devices Widget. This will allow you to display favorite accessory in the Favorite Devices Widget in the dashboard.

In some cases, you may want the accessory you added to be invisible in the user interface. In particular, you can mark as invisible the devices that you do not want the user's intervention to be controlled by scenes of automation triggers.

Before adding an accessory, it is necessary to add the driver and room it is connected to.

7



• In the second step, select the type of the accessory and its icon. For some accessory types, the category to be displayed in the user interface is also selected.

EAE Technology		Devices / Accessory Ac	.dd			📟 English		e EAEAdmin
🕋 Dashboard							-	
🖶 Devices	^	Back			Add Accessory			
🚗 Drivers		Step 1 Enter device name, room and driver			Step 2 Select category		3 Step 3 Configure d	evice details
U Accessories					ould congory		ooningore a	
🕋 Rooms		« Back						Next »
Intercom	~	* Accessory Type		Shutter	~ Ø			
C Scene & Automation	~	lcon		Icon 12	~			
A Security	~							
💉 UI Settings	~							
🔹 System Settings	ř							
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Accessory types vary by driver.

• In the third step, you need to enter the necessary variables of the accessory according to the selected driver and accessory type.

EAE Technology		Devices /	Accessory Add			📟 English	e EAEAdmin
👔 Dashboard	Step	o 1		Step 2		(3) Step 3	
₩ Devices		device name, room (and driver	Select cot	egory		e device details
🔒 Drivers	« E	Back					Save ⊻
ط Accessories							
🗥 Rooms		Move (1 bit)					- 1
intercom	~	Write					
() Scene & Automation	~	Stop (1 bit)					\equiv
🔒 Security	× i	Write					
💉 UI Settings	~	, , , , , , , , , , , , , , , , , , ,					
🔹 System Settings	~	Level Perce	entage (1 Byte)				
		Write		Read			
		Level Type	Open: 0% - Closed: 10	0% ~			
		Slat Level	(1 Byte)				
		Write		Read			

• After entering the variables, you will complete adding an accessory by clicking the save button.

6.3. EDITING ACCESSORIES

In this section, you can edit information of the accessory you previously added. To do this:

- Go to Devices > Accessories
- Click 🜈 button of the accessory you want to edit in the operations column.
- You can edit information of accessory on the open page.

6.4. DELETING ACCESSORIES

You can delete an accessory you have added from the Programming Interface. To do this:

- Go to Devices > Accessories
- Click 🔟 button of the accessory you want to delete in the operations column.
- Click Confirm and Save changes.

6.5. COPY ACCESSORIES

You can copy an accessory you have added before, along with the information in it. To do this:

- Go to Devices > Accessories
- Click (D) button of the accessory that you want to copy.
- New copied accessory is added to Touch Panel, after entering its name and confirming changes.



Copy an accessory will help you quickly add accessories, especially on devices connected to KNX Systems.



In order to control another load with copied accessory, you need to update group address and other related information. To do this, update information of copied accessory by clicking edit button.

7. SUPPORTED ACCESSORY TYPES

7.1. KNX DRIVERS

Miola 3.2 operating system provides new types of accessories to control and display many different types of data and devices in KNNX Systems. Many functions available inn different accessory types can be customized to support different Data Types (Data points) in KNX System. In this way, many products from different brands can be controlled and monitored by Miola 3.2. Touch Panels.

Supported Accessory Types with KNX Drivers:

- Switch
- Dimmer
- Shutter
- Advanced Thermostat
- Thermostat/Air Conditioner
- Punch Button
- Binary Button

- Motion Sensor
- Door Sensor
- Window Sensor
- Leak Sensor
- Gas Sensor
- Smoke Sensor
- Status Display

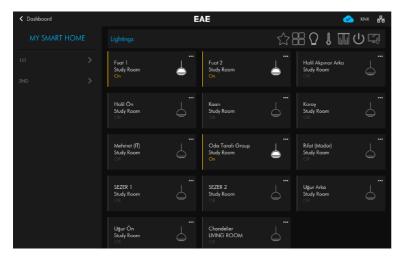


KNX Twisted Pair and KNXNet IP drivers support same accessory types.

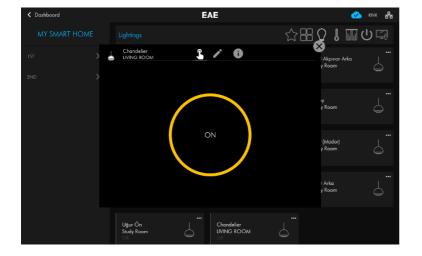
7.1.1. SWITCH

Switch Accessory Type allows to control and monitor On/Off Loads in KNX Systems.

MIOLA TOUCH PANEL UI VIEW



In the summary view of Switch, the status of the device is displayed. You can change status by tapping a device. In order to view detailed information tap three dots icon in the upper right corner of the Switch accessory.



You can find detailed view of Switch Accessory in the left hand side.

AVAILABLE FUNCTIONS

Function Name	KNX Data Point	KNX Group Address
Switch	<u>1.001 (1 Bit)</u>	<u>Read, Write</u>



ADDING A NEW SWTICH ACCESSORY

Follow the steps in Adding New Accessory section, to add new KNX – Switch Accessory:

- Go to Add a new Accessory Wizard.
- In first step, enter accessory name, icon, room and another information. Choose KNX-TP or KNXNET-IP as driver.
- In second step, choose Accessory Type as Switch.
- Choose in which category you want the accessory to be displayed in user interface. (Lights, Shutters, Climate, Generic)
- In third step, enter required information related to Switch accessory.
- Click save to apply changes.

EAE Technology	Devices / Accessory Add	English 🛛 EAEAdmin
🕋 Dashboard		
🖞 Devices		
🔒 Drivers	Step 1 Step 2 Enter device name, room and driver Select category	3 Step 3
Accessories		Configure device details
🗥 Rooms	« Back	Save ⊻
Intercom	Normally Open	
Scene & Automation	Pulse	
A Security	Switch (1 bit)	
💉 UI Settings	Write Read	
💼 System Settings		
2020 © EAE - v3.2.57		

PARAMETERS

Normally Open:Type of relay to which the controlled load is connectedPulse:The duration that the controlled load stays open and then closes

FUNCTIONS

Switch:

It is the function that enables the connected load to be switched on or off. When reading and writing data, it uses the 1-Bit 1.001 data type.

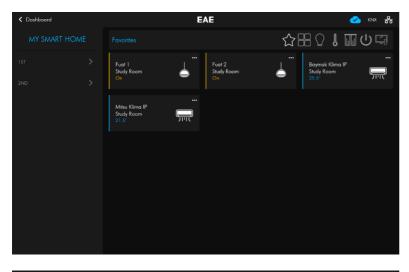
Related Group Addresses:Switch (1-Bit) Write:Switch (1-Bit) Read:Data write group address to which On/Off command is sentData read group address where On/Off status is monitored



7.1.2. DIMMER

Dimmer Accessory allows to control and monitor dimmable devices in KNX Systems by Miola Touch Panels. On/Off Control and status, brightness control and status information are controlled and monitored by this accessory type.

MIOLA TOUCH PANEL UI VIEW



In summary view On/Off status of device is monitored. Just tap device to reach detailed view.

Cashboard	EAE	KNX 😤
MY SMART HOME		公田 2 ! Ш U 🖙
157 >	L Fuet 1 Study Room	nak Klima IP y Room JIIII
2ND >		
	OFF 76%	ON

You can find detailed view of Dimmer Accessory in the left hand side.

AVAILABLE FUNCTIONS

Function Name	KNX Data Point	KNX Group Address
Switch	1.001 (1 Bit)	Write, Read
Dimming Value	5.001(1Byte)	Write, Read



ADDING A NEW DIMMER ACCESSORY

Follow the steps in Adding New Accessory section, to add new KNX – Dimmer Accessory:

- Go to Add a new Accessory Wizard.
- In first step, enter accessory name, icon, room and another information. Choose KNX-TP or KNXNET-IP as driver.
- In second step, choose Accessory Type as Dimmer.
- In third step, enter required information and configure functions related to dimmer accessory.
- Click save to apply changes.

EAE Technology	Devices / Accessory Add	📟 English	e EAEAdmin
🕐 Dashboard	← Back Add Accessory		*
ψ Devices 🔷		0	
🚔 Drivers	Step 1 Step 2	3 Step 3	
ل Accessories	Enter device name, room and driver Select category	Configure d	levice details
😤 Rooms	« Back		Save ±
intercom 🗸 🗸	Switch (1 bit)		
🕚 Scene & Automation 🛛 🗸	Write		
📤 Security 🗸 🗸			
💉 UI Settings 🛛 🗸 🗸	Dimming Value (1 byte)		
🔹 System Settings 👋 👋	Write		
2020 © EAE - v3.2.57			

FUNCTIONS

Switch:

It is the function that enables the connected load to be switched on or off. When reading and writing data, it uses the 1-Bit 1.001 data point.

Related Group Addresses: Switch (1-Bit) Write: Switch (1-Bit) Read:

Data write group address to which On/Off command is sent Data read group address where On/Off status is monitored

Dimming Value:

It is the function that allows controlling and monitoring brightness value of the connected device. It uses 5.001 1 Byte Data Type when reading and writing data.

Related Group Addresses:

Dimming Value (1-Byte) Write: Dimming Value (1-Byte) Read: Data write group address to which brightness value of load is sent Data read group address where brightness value of load is monitored

na Roc

BEDROON

MY SMART HOME

 \cap

perde Study Room

7.1.3. SHUTTER

Shutter Accessory allows to control and monitor roller shutters and blinds in KNX Systems by Miola Touch Panels. Open/Close control and status, Position control and status and also slat control and status information are controlled and monitored by this device type.

C Dashboard	EAE		🖌 кых 🖧
my smart home		☆태♀↓	U 🖫
👔 Study Room	perde Study Room Open		
2ND 🗸			
Meeting Room			
BATHROOM			

EAE

/ 0

~

Oper

P

In summary view, Open/Close status of shutter is monitored. Just tap device to reach detailed view.

You can find detailed view of Shutter Accessory in the left hand side.

AVAILABLE FUNCTIONS

Function Name	KNX Data Point	KNX Group Address
Move	1.008 (1 Bit)	Write
Stop	1.007 (1 Bit)	Write
Level Percentage	5.001 (1 Byte)	Write, Read
Slat Level	5.001 (1Byte)	Write, Read

🕗 KNX 🖧

Open/Close control and status, Position con controlled and monitored by this device type MIOLA TOUCH PANEL UI VIEW





ADDING A NEW SHUTTER ACCESSORY

Follow the steps in Adding New Accessory section, to add new KNX – Shutter Accessory:

- Go to Add a new Accessory Wizard.
- In first step, enter accessory name, icon, room and another information. Choose KNX-TP or KNXNET-IP as driver.
- In second step, choose Accessory Type as Shutter.
- In third step, enter required information and configure functions related to shutter accessory.
- Click save to apply changes.

FUNCTIONS

Move:

It is the function that enables the connected shutter to open or close. It uses 1.008 1-Bit Data Type when writing data.

Related Group Addresses:

Move (1-Bit) Write: Data write group address to which Open/Close command is sent.

Stop:

It is the function that enables the connected shutter to stop. It uses 1.007 1-Bit Data Type when writing data. Related Group Addresses:

Stop (1-Bit) Write: Data write group address to which Stop command is sent.

Level Percentage:

It is the function that allows shutter to be opened in a certain position. When reading and writing data, it uses 5.001 1-Byte Data Type. Related Group Addresses:

Percentage Value (1-Byte) Write:

Percentage Value (1-Byte) Read:

Data write group address to which the command to open the shutter at a certain position is sent

Data read group address where the current position of shutter is monitored

Slat Level :

It is the function that the slat position adjustments of the blinds are made. When reading and writing data, it uses 5.001 1-Byte Data Type. Related Group Addresses:

Percentage Value (1-Byte) Write: Percentage Value (1-Byte) Read: Data write group address to which the command to open slat is sent Data read group address where the current position of slat is monitored

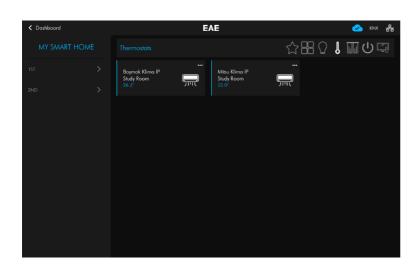
EAE Technology	Devices / Accessory Add	📟 English	e EAEAdr
Dashboard			
Devices ^	Step 1 Step 2	3 Step 3	
금 Drivers	Enter device name, room and driver Select category	Configure d	evice details
() Accessories	« Back		Save ±
Rooms	Move (1 bit)		
Intercom 🗸	Write		
Scene & Automation 🛛 👋			
Security 🗸 🗸	Stop (1 bit)		
UI Settings V	Write		
System Settings			
	Level Percentage (1 Byte)		
	Write		
	Level Type Open: 0% - Closed: 100% 🗸		
	Slot Level (1 Byte)		
	Write		
2020 © EAE - v3.2.57			



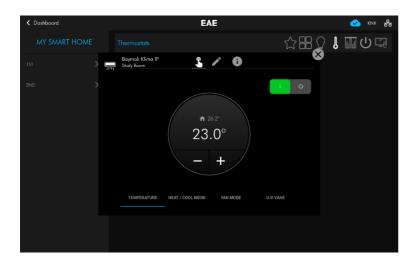
7.1.4. ADVANCED THERMOSTAT

Advanced thermostat accessory type allows to control and monitor thermostats in KNX System by Miola Touch Panels. Temperature, fan speed, operation mode and control mode information are controlled and monitored by this device type.

MIOLA TOUCH PANEL UI



In summary view, operation mode and room temperature of thermostat is monitored. Just tap device to reach detailed view.



You can find detailed view of Thermostat Accessory in the left hand side.

AVAILABLE FUNCTION GROUPS

Since many functions are supported in the advanced thermostat accessory, these functions are grouped in the Touch Panel user interface. The names of the group can be changed and unused groups can be removed from the interface.

- Temperature function group
- Operation Mode function group
- Control Mode function group
- Fan Mode function group
- U-D Vane Function group
- L-R Vane function group



Temperature function group is non-removable function group in Advanced Thermostat Device Type.

AVAILABLE FUNCTIONS

Function Name	KNX Data Point	KNX Group Address
On State	Multiple choice	Write, Read
Off State	Multiple choice	Write, Read
Room Temperature	Multiple choice	Read
Target Setpoint – Direct	Multiple choice	Write, Read
Target Setpoint – Shift 1 Byte	Multiple choice	Shift Write, Shift Read
Target Setpoint – Shift 2 Byte	Multiple choice	Shift Write, shift Read
Operation mode - Auto	Multiple choice	Write, Read
Operation mode - Heat	Multiple choice	Write, Read
Operation mode - Cool	Multiple choice	Write, Read
Operation mode - Fan	Multiple choice	Write, Read
Operation mode - Dry	Multiple choice	Write, Read
Control mode - Auto	Multiple choice	Write, Read
Control mode - Comfort	Multiple choice	Write, Read
Control mode - Standby	Multiple choice	Write, Read
Control mode - Night	Multiple choice	Write, Read
Control mode - Protection	Multiple choice	Write, Read
Fan mode – Auto	Multiple choice	Write, Read
Fan mode – Lowest	Multiple choice	Write, Read
Fan mode – Lower	Multiple choice	Write, Read
Fan mode – Middle	Multiple choice	Write, Read
Fan mode – Higher	Multiple choice	Write, Read
Fan mode – Highest	Multiple choice	Write, Read
U-D Vane - Auto	Multiple choice	Write, Read
U-D Vane – Position 1	Multiple choice	Write, Read
U-D Vane – Position 2	Multiple choice	Write, Read
U-D Vane – Position 3	Multiple choice	Write, Read
U-D Vane – Position 4	Multiple choice	Write, Read
U-D Vane – Position 5	Multiple choice	Write, Read
U-D Vane – Swing	Multiple choice	Write, Read
L-R Vane - Auto	Multiple choice	Write, Read
L-R Vane – Position 1	Multiple choice	Write, Read
L-R Vane – Position 2	Multiple choice	Write, Read
L-R Vane – Position 3	Multiple choice	Write, Read
L-R Vane – Position 4	Multiple choice	Write, Read
L-R Vane – Position 5	Multiple choice	Write, Read
L-R Vane – Swing	Multiple choice	Write, Read



ADDING A NEW ADVANCED THERMOSTAT

Follow the steps in Adding New Accessory section, to add new KNX – Advanced Thermostat Accessory:

- Go to Add a new Accessory Wizard.
- In first step, enter accessory name, icon, room and another information. Choose KNX-TP or KNXNET-IP as driver.
- In second step, choose Accessory Type as Advanced Thermostat.
- In third step, add function groups and configure. To do this, click + button in function group bar and add requested groups. Then you can change their names to be displayed in Touch Panel user interface.

) 		Step 2	
er device name, room and driver		Select category	Configure device de
Back			Save
Temperature +	×		
Select Mode			
Operation Mode	Select		
Control Mode	Select		
Fan Mode	Select		
U-D Vane	Select		
L-R Vane	Select		

- Then enter requested information for functions and parameters.
- Click save to apply changes.

EAE Technology	Devices / Accessory Add	e EAEAdmin
👔 Dashboard	« Back	Save ±
₩ Devices ^	Temperature × +	
금 Drivers		
U Accessories	On State	
😤 Rooms	DPT DPT 1 (1-Bit 0-1) V Write	
🧾 Intercom 🗸 🗸	Write Value Mitte Value Active Value Active Value	
O Scene & Automation ∨	Off State	
🔒 Security 🗸 🗸	DPT DPT 1 (1-Bit 0-1) Virite Read	
💉 UI Settings 🛛 🗸 🗸	Write Value Active Value Active Value	
🔹 System Settings 🛛 🗸	Room Temperature DPT V Read ///	
	Torget Set Point Direct SetPoint	
	DPT DPT 9 (2-Byte Float V Write	
	Min 5 Max 40 Step 1	
2020 © EAE - v3.2.57		



TEMPERATURE GROUP FUNCTIONS

ON State / OFF State Functions:

It is the function that enables thermostat to be On/Off.



On and Off state can be programmed separately, taking into account the situation that need to send different data types to On and Off State.

The On/Off function can be removed from thermostat accessory by deselecting function.

On State		
DPT DPT 1 (1-Bit 0-1) V Write	// Read/	
Write Value A	Active Value Active Value	
Off State		
Off State DPT DPT 1 (1-Bit 0-1) V Write	// Read/	

Related Group Address and Parameters:

- DPT: Type of data to be sent or received to group address
- Write: Data write group address where On or Off command is sent
- Read: Data read group address where On or Off command is monitored
- Write Value: Value to be sent to data write group address

Active Value: Expected value in data read group address

Room Temperature Function:

It is a function that displays the instantaneous temperature value measured by thermostat.



DPT:

Considering the situations that need to monitor different data types, Room Temperature function can be programmed by reading information from different data types.

Room T	emperature			
DPT	DPT	~	Read	

Related Group Address and Parameters:

Type of data to be sent or received to group address

Read: Data read group address where temperature measured by thermostat is monitored

Target Setpoint Direct Function:

It is the function used to control and monitor target room temperature of the thermostat that calculate target temperature as an absolute numerical value.



Target setpoint function can be programmed by writing and reading value with different data types, considering the situations that need to send or receive different data types.

	Target S	et Point	Direct SetP	oint ~				
Min 5 Max 40 Step 1	DPT	DPT 9	(2-Byte Floa ⁻	 ✓ Write 			Read	
	Min	5	м	ax 40	Step	1		

Related Group Address and Parameters: ~+ \· 14 :~ +!--+ / D:-

Target Set Point (Dire	ect): It is the control method used for thermostats that calculate target temperature
	as an absolute numerical value
DPT:	Type of data to be sent or received to group address
Write:	Data write group address where target temperature of thermostat is sent
Read:	Data read group address where target temperature of thermostat is monitored
Min:	Minimum temperature that can be set
Max:	Maximum temperature that can be set
Step:	Step value of increasing or decreasing target temperature

Target Setpoint Shift Function :

It is the function used to control and monitor target temperature of thermostats that calculate target temperature according to a variable shift value

Target S	Set Point Shift SetPoin	t (DPT 6 $\cdot \lor$	
DPT	DPT 9 (2-Byte Floar \sim	Read	
Min	5 Max	40	Step 1
Shift			
Write		Read	

Related Group Address and Parameters:

Target Set Point (Shift): It is the control method used for thermostats that calculate the target
	temperature according to a variable shift value.
DPT:	Type of data to be sent or received to group address
Read:	Data read group address where target temperature of thermostat is monitored
Min:	Minimum temperature that can be set
Max:	Maximum temperature that can be set
Step:	Step value of increasing or decreasing target temperature

Shift Write: Data write group address where shift value to change target temperature is sent Shift Read: Data read group address where shift value to change target temperature is read



OPERATION MODE GROUP FUNCTIONS

It is the group that contains the functions that control the operation modes of thermostat. Includes Auto, Heat, Cool, Fan and Dry functions.



You can remove functions that thermostat does not support by deselecting function.



The name and icons of the functions displayed in user interface can be edited by integrator.

Auto Function:

It is the function that allows the thermostat to switch to auto mode.

Temperature	Operation Mode ×	+				
Title Operatio	n Mode					
V Auto						
Title (A)	Auto	L				
DPT DPT 5	(8-Bit Unsigne 🗸 Write		Read			
Write Value	0	Active Value	0			

Related Group Address and Parameters:

DPT:	Type of data to be sent or received to group address
Write:	Data write group address where the auto command is sent
Read:	Data read group address where the auto command is monitored
Write Value:	Value to be sent to data write group address
Active Value:	Expected value in data read group address

Heat Function:

It is the function that allows thermostat to switch to heat mode.

Title Heat			
DPT 5 (8-Bit Unsigne 🗸	Write/	Read/	

Related Group Address and Parameters:

Type of data to be sent or received to group address Data write group address where the heat command is sent Data read group address where the heat command is monitored Value to be sent to data write group address Expected value in data read group address

Cool Function:

It is the function that allows thermostat to switch to cool mode.

Cool	ال			
(0. D*11)		D		
	(8-Bit Unsigne V			

Related Group Address and Parameters:

DPT:	Type of data to be sent or received to group address
Write:	Data write group address where the cool command is sent
Read:	Data read group address where the cool command is monitored
Write Value:	Value to be sent to data write group address
Active Value:	Expected value in data read group address

Fan Function:

It is the function that allows thermostat to switch to fan mode.

G Fan	
Title 😵 Fan	
DPT DPT 5 (8-Bit Unsigne > Write//	Read/
Write Value 9 Active Value 9	

Related Group Address and Parameters:

DPT:	Type of data to be sent or received to group address
Write:	Data write group address where the fan command is sent
Read:	Data read group address where the fan command is monitored
Write Value:	Value to be sent to data write group address
Active Value:	Expected value in data read group address

Dry Function:

It is the function that allows thermostat to switch to dry mode.

Title 🔘	Dry			
DPT DF	PT 5 (8-Bit Unsigne 🗸	Write/	Read/	

Related Group Address and Parameters:

DPT: Write: Read: Write Value: Active Value: Type of data to be sent or received to group address Data write group address where the dry command is sent Data read group address where the dry command is monitored Value to be sent to data write group address Expected value in data read group address



CONTROL MODE GROUP FUNCTIONS

It is the group that contains the functions that control and monitor control modes representing the preset temperature values in the thermostat. It includes Auto, Comfort, Standby, Economy and Building Protection functions.



You can remove functions that thermostat does not support by deselecting function.

The name and icons of the functions displayed in user interface can be edited by integrator.

Auto Function:

It is the function that allows thermostat to switch to auto control mode.

Temperature	Operation Mode	Control Mode ×	+		
Title Control	Mode				
🗸 Auto					
	Auto	₿.			
Title (A)	Auto (8-Bit Unsigne 🗸 Wr		Read		

Related Group Address and Parameters:

DPT:	Type of data to be sent or received to group address
Write:	Data write group address where the auto command is sent
Read:	Data read group address where the auto command is monitored
Write Value:	Value to be sent to data write group address
Active Value:	Expected value in data read group address

Comfort Function:

It is the function that allows thermostat to switch to comfort control mode.

Title Comfort	L III		
DPT 5 (8-Bit Unsigne V	Write//	Read/	

Related Group Address and Parameters:

DPT: 1	Type of data to be sent or received to group address
Write:	Data write group address where the comfort command is sent
Read: [Data read group address where the comfort command is monitored
Write Value:	Value to be sent to data write group address
Active Value:	Expected value in data read group address



Standby Function:

It is the function that allows thermostat to switch to standby control mode.

Title Standby	B		
DPT 5 (8-Bit Unsigne V	Write/	Read/	

Related Group Address and Parameters:

DPT:	Type of data to be sent or received to group address
Write:	Data write group address where the standby command is sent
Read:	Data read group address where the standby command is monitored
Write Value:	Value to be sent to data write group address
Active Value:	Expected value in data read group address

Night Function:

It is the function that allows thermostat to switch to night control mode.

Title Night	L ^E	
DPT DPT 5 (8-Bit Unsigne >	Write/	Read//
Write Value 3	Active Value 3	

Related Group Address and Parameters:

DPT:	Type of data to be sent or received to group address
Write:	Data write group address where the night command is sent
Read:	Data read group address where the night command is monitored
Write Value:	Value to be sent to data write group address
Active Value:	Expected value in data read group address



Building Protection Function:

It is the function that allows thermostat to switch to building protection control mode.

Protection Title Protection	₿ ¹			
DPT 5 (8-Bit Unsigne V Wr	ite//	Read	//	
Write Value 4	Active Value 4			

Related Group Address and Parameters:

DPT: Write: Read: Write Value: Active Value: Type of data to be sent or received to group address Data write group address where the building protection command is sent Data read group address where the building protection command is read Value to be sent to data write group address Expected value in data read group address



FAN GROUP FUNCTIONS

It is the group that contains the functions that control the fan speed in the thermostat. Includes Auto, Lowest, Lower, Middle, Higher, Highest functions. In this way, a total of 5 fan speed levels and auto fan speed are supported.



You can remove functions that thermostat does not support by deselecting function.

The name and icons of the functions displayed in user interface can be edited by integrator.

Auto Function:

It is the function that allows thermostat to switch to auto fan speed.

Temperature	Operation Mode	Control Mode	Fan Mode ×	+	
Title Fan Moo	de				
🗸 Auto					
2	Auto	U			
ÚA 🗌					
DPT DPT 1	(1-Bit 0-1) V	rite//	Read	//	
Write Value	1	Active Value	1		

Related Group Address and Parameters:

DPT:	Type of data to be sent or received to group address
Write:	Data write group address where the auto fan speed command is sent
Read:	Data read group address where the auto fan speed command is read
Write Value:	Value to be sent to data write group address
Active Value:	Expected value in data read group address

Lowest Fan Speed Function:

It is the function that allows thermostat to switch to lowest fan speed.

Title 🖓	Lowest	ili			
DPT DP	T 5 (8-Bit Unsigne 🗸	Write//	Read	//	

Related Group Address and Parameters:

DPT:	
Write:	I
Read:	
Write Value:	,
Active Value:	

Type of data to be sent or received to group address Data write group address where the lowest fan speed command is sent Data read group address where the lowest fan speed command is read Value to be sent to data write group address Expected value in data read group address



Lower Fan Speed Function:

It is the function that allows thermostat to switch to lower fan speed.

Title	ver	L			
DPT DPT 5 (8-	-Bit Unsign∈ ✓	Write/	Read	·/	

Related Group Address and Parameters:

DPT:	Type of data to be sent or received to group address
Write:	Data write group address where the lower fan speed command is sent
Read:	Data read group address where the lower fan speed command is read
Write Value:	Value to be sent to data write group address
Active Value:	Expected value in data read group address

Middle Fan Speed Function:

It is the function that allows thermostat to switch to middle fan speed.

Title	Ŀ		
DPT 5 (8-Bit Unsigne >	Write/	Read/	
Write Value 60	Active Value 60		

Related Group Address and Parameters:

DPT:Type of data to be sent or received to group addressWrite:Data write group address where the middle fan speed command is sentRead:Data read group address where the middle fan speed command is readWrite Value:Value to be sent to data write group addressActive Value:Expected value in data read group address



Higher Fan Speed Function:

It is the function that allows thermostat to switch to higher fan speed.

Title 😪	Higher			
DPT DPT	5 (8-Bit Unsigne 🗸	Write/	Read/	

Related Group Address	and Parameters:
DPT:	Type of data to b

DPT:	Type of data to be sent or received to group address
Write:	Data write group address where the higher fan speed command is sent
Read:	Data read group address where the higher fan speed command is read
Write Value:	Value to be sent to data write group address
Active Value:	Expected value in data read group address

Highest Fan Speed Function:

It is the function that allows thermostat to switch to highest fan speed.

Title Highest			
DPT 5 (8-Bit Unsigne 🗸	Write/	Read/	

Related Group Address and Parameters:

DPT:
Write:
Read:
Write Value:
Active Value:

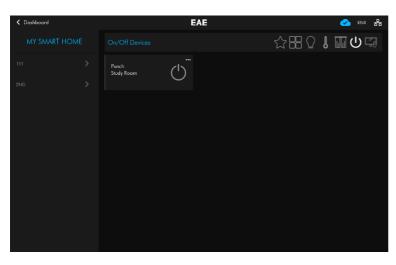
Type of data to be sent or received to group address Data write group address where the highest fan speed command is sent Data read group address where the highest fan speed command is read Value to be sent to data write group address Expected value in data read group address



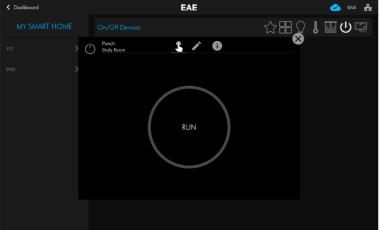
7.1.5. PUNCH BUTTON

Punch Button Accessory is used to send a single data to a predetermined group address in KNX Systems. Mostly, it is used to run a KNX scene, to open a trigger-oriented garage door and similar applications.

MIOLA TOUCH PANEL UI VIEW



In summary view, name and icon of the device is displayed. Only monitor acknowledge when data is sent, because there is not any status related to this accessory. Just tap device to send value. Tap 3 dots in the upper right corner to reach detailed view.



AVAILABLE FUNCTIONS

Function Name	KNX Data Point	KNX Group Address
Punch Button	Multiple Choice	Write



ADDING A NEW PUNCH BUTTON ACCESSORY

Follow the steps in Adding New Accessory section, to add new KNX – Punch Button Accessory:

- Go to Add a new Accessory Wizard.
- In first step, enter accessory name, icon, room and another information. Choose KNX-TP or KNXNET-IP as driver.
- In second step, choose Accessory Type as Punch Button.
- Choose in which category you want the accessory to be displayed in user interface. (Lights, Shutters, Climate, Generic)
- In third step, enter required information and configure functions related to Punch Button accessory.
- Click save to apply changes.

EAE Technology	Devices / Accessory Add	📟 English	e EAEAdmin
👚 Dashboard			_
🕂 Devices 🗠	← Back Add Accessory		
📇 Drivers	Step 1 Step 2	3 Step 3	
Accessories	Enter device name, room and driver Select category	Configur	e device details
😤 Rooms	« Back		Save ⊻
🏢 Intercom 🗸 🗸	Punch Button		
♥ Scene & Automation ✓	DPT Address		
📤 Security 🗸 🗸	DPT 1 (1-Bit 0-1)		
💉 UI Settings 🛛 🗸	DPT 3 (3-Bit -7+7) DPT 5 (8-Bit Unsigned 5.001)		
🔅 System Settings 🗸 🗸	DPT 5 (8-Bit Unsigned 5.004)		
	DPT 6 (8-Bit Signed)		
	DPT 7 (2-Byte Unsigned)		
	DPT 9 (2-Byte Float)		
	DPT 12 (4-Byte Unsigned)		

FUNCTIONS

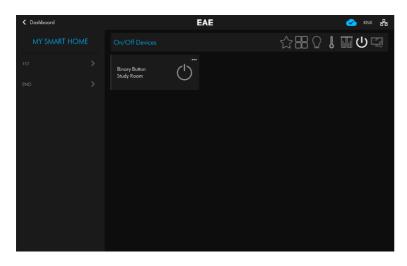
Punch Button:

It is the function where you can send a single data to a KNX group address.Related Group Address:DPT:Address:Value:Type of data to be sent or received to group addressGroup Address to which data will be sentValue:Value to be sent to group address

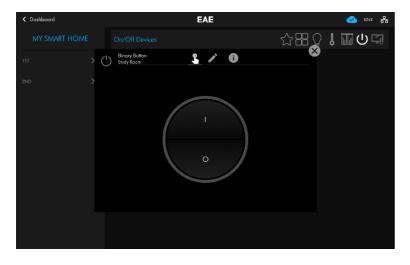
7.1.6. BINARY BUTTON

Binary Button Accessory Type is used to send data with different data types to two different pre-determined group addresses. Mostly it is used to control multiple lighting or shutter devices controlled in a single group address.

MIOLA TOUCH PANEL UI



In summary view, name and icon of the device is displayed. Only monitor acknowledge when data is sent, because there is not any status related to this accessory. Just tap device to reach detailed view.



In detail view, 2 keypads placed to send different functions.

AVAILABLE FUNCTIONS

Function Name	KNX Data Point	KNX Group Address
On Button	Multiple Choice	Write
Off Button	Multiple Choice	Write



ADDING A NEW BINARY BUTTON ACCESSORY

Follow the steps in Adding New Accessory section, to add new KNX - Binary Button Accessory:

- Go to Add a new Accessory Wizard.
- In first step, enter accessory name, icon, room and another information. Choose KNX-TP or KNXNET-IP as driver.
- In second step, choose Accessory Type as Binary Button.
- Choose in which category you want the accessory to be displayed in user interface. (Lights, Shutters, Climate, Generic)
- In third step, enter required information and configure functions related to binary button accessory.
- Click save to apply changes.

EAE Technology	Devices / Accessory Add	📟 English	e EAEAdmin
🕐 Dashboard			
🖶 Devices 🔷	← Back Add Accessory	-	
👝 Drivers	Step 1 Step 2	3 Step 3	
U Accessories	Enter device name, room and driver Select category	Configu	ure device details
Rooms	« Back		Save ⊻
🏢 Intercom 🛛 🗸	On Button		
🕚 Scene & Automation 🗸	DPT V Address		
🐣 Security 🗸 🗸			
🖌 UI Settings 🛛 🗸	Off Button		
🔹 System Settings 🛛 🗸	DPT V Address		
2020 © EAE - v3.2.57			

FUNCTIONS

On Button:

It is the function where you can send a single data to a KNX group address.Related Group Address:Type of data to be sent or received to group addressDPT:Type of data to be sent or received to group addressAddress:Group Address to which data will be sentValue:Value to be sent to group address

Off Button:

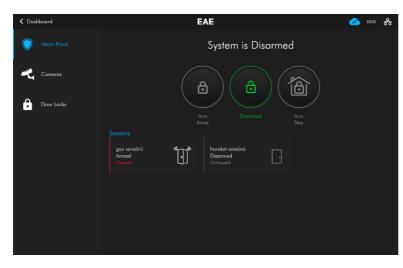
It is the function where you can send a single data to a KNX group address.Related Group Address:DPT:Address:Value:Type of data to be sent or received to group addressGroup Address to which data will be sentValue:Value to be sent to group address



7.1.7. SENSOR

Sensor Accessory allows to monitor status of digital security sensors connected to KNX Systems. KNX Sensor supports 6 different sensor types. These are motion, door, window, leak, gas and smoke sensors.

MIOLA TOUCH PANEL UI VIEW



KNX Sensor Accessory type is displayed in security menu of user interface. The sensor's name, icon, arming status and trigger status are displayed.

AVAILABLE FUNCTIONS

Function Name	KNX Data Point	KNX Group Address
Sensor	Multiple Choice	Read

ADDING A NEW SENSOR ACCESSORY

Follow the steps in Adding New Accessory section, to add new KNX - sensor Accessory:

- Go to Add a new Accessory Wizard.
- In first step, enter accessory name, icon, room and another information. Choose KNX-TP or KNXNET-IP as driver.
- In second step, choose Accessory Type as one of the sensor types.
- In third step, enter required information and configure functions related to sensor accessory.
- Click save to apply changes.

EAE Technology	Devices / Accessory Add		🔜 English 🛛 🛛 EAEAdmin	Devices / Accessory Add	📧 English 🛛 🕒 EAEAdmin
👔 Dashboard	← Back			(Peak	
🖶 Devices 🔷	← Dack	Add Accessory		← Back	Add Accessory
금 Drivers	Step 1	Step 2	3 Step 3	Step 1 Step	2 Step 3
U Accessories	Enter device name, room and driver	Select category	Configure device details	Enter device name, room and driver Select	category Configure device details
🐴 Rooms	« Back		Save ±	« Back	Save ±
🕘 Intercom 🗸 🗸	DPT DPT 1 (1-Bit 0-1) ~	Read		DPT DPT 1 (1-Bit 0-1) V Read	
Scene & Automation	Active Value Active Value			Active Value Active Value	
📤 Security 👋	Normally Open			Normally Open	
💉 UI Settings 🛛 🗸					
🔹 System Settings 🛛 🗠	* Entry Delay	Enter Entry Delay			
	Arm Away				
	Arm Stay				
2020 © EAE - v3.2.57			*		



PARAMETERS

Normally Open:	Sensor connection type
Entry Delay:	Time to switch to violation state from the moment the sensor is armed and
A 7799 A 1 4 69 4	triggered
Arm Away:	Arming the sensor when security system switch to arm away mode
Arm Stay:	Arming the sensor when security system switch to arm stay mode



Gas, Smoke and Leak sensors are always armed (24/7)



Entry delay of Gas, Smoke and Leak sensors are always Osec.

FUNCTIONS

 Sensor:

 It is the function that monitor the status of sensor it is connected to.

 Related Group Address:

 DPT:
 Type of data to be sent or received to group address

 Read:
 Group address to monitor the sensor status

 Active Value:
 Value expected to be monitored in the group address when the sensor is triggered



7.1.8. STATUS DISPLAY

Status Display Accessory is used to display a KNX data such as outdoor temperature, humidity, brightness level etc.

AVAILABLE FUNCTIONS

Function Name	KNX Data Point	KNX Group Address
Status Display	Multiple Choice	Read

ADDING A NEW STATUS DISPLAY ACCESSORY

Follow the steps in Adding New Accessory section, to add new KNX – Status Display Accessory:

- Go to Add a new Accessory Wizard.
- In first step, enter accessory name, icon, room and another information. Choose KNX-TP or KNXNET-IP as driver.
- In second step, choose Accessory Type as Status Display.
- In third step, enter required information and configure functions related to accessory.
- Click save to apply changes.

	Devices / Accessory Add	🗏 English 🛛 🛛 EAEAdmin
🕋 Dashboard		
🖶 Devices	← Back Add Accessory	
금 Drivers	Step 1 Step 2	3 Step 3
Accessories	Enter device name, room and driver Select category	Configure device details
_{Rooms}	« Back	Save ⊻
illi Intercom	✓ DPT DPT 9 (2-Byte Float ✓ Read	
Scene & Automation	×	
A Security	 ✓ Unit ℃ 	
룱 UI Settings	×	
🔹 System Settings	~	
2020 © EAE - v3.2.57		

PARAMETERS

Status Text:

The text that will be displayed when the expected data value received

FUNCTIONS

Status Display:

It is the function that monitors the status text. Related Group Address: DPT: Type of data to be sent or received to group address Read: Group address to monitor the status



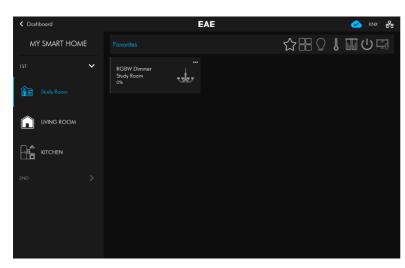
7.1.9. RGBW DIMMER

RGBW Dimmer Accessory allows to control and monitor RGBW devices in KNX Systems by Miola Touch Panels. Central On/Off Control and status informations, central brightness control and status informations, color control with color wheel are controlled and monitored by this accessory type.

MIOLA TOUCH PANEL UI VIEW

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-KITCHEN



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In summary view, brightness status of device is monitored. Just tap device to reach detailed view.



You can find detailed view of RGBW Dimmer Accessory in the left hand side. Central on/off and central brightness control and status information and changing brightness value in form of drag and drop are displayed and controlled under this function.



You can find detailed view of RGBW Dimmer Color function group in the left hand side. The Color Wheel and White light brightness value, are displayed and controlled under this function.



AVAILABLE FUNCTIONS

Function Name	KNX Data Point	KNX Group Address
Switch	1.001 (1 Bit)	Write, Read
Dimming Value	5.001(1Byte)	Write, Read

ADDING A NEW RGBW DIMMER ACCESSORY

Follow the steps in Adding New Accessory section, to add new KNX – RGBW Dimmer Accessory:

- Go to Add a new Accessory Wizard.
- In first step, enter accessory name, icon, room and another information. Choose KNX-TP or KNXNET-IP as driver.
- In second step, choose Accessory Type as RGBW Dimmer.
- In third step, enter required information and configure functions related to RGBW Dimmer accessory.
- Click save to apply changes.

EAE Technology	Devices / Accessory Add	h 🛛 EAEAdmin
🔐 Dashboard	Switch (1 bit)	
🖶 Devices 🔿	Write	
🚗 Drivers		
(U) Accessories	Dimming Value (1 byte)	
😤 Rooms	Write	
Intercom		
O Scene & Automation ∨	Red Color (1 byte)	
🔒 Security	Write	
💉 UI Settings 🗸 🗸		
🔅 System Settings 🛛 🗸	Green Color (1 byte)	_
	Write	
	Blue Color (1 byte)	\equiv
	Write	
	White Color (1 byte)	_
2020 © EAE - v3.2.57	Write	-

FUNCTIONS

Switch:

It is the function that enables the connected load to be switched on or off. When reading and writing data, it uses the 1-Bit 1.001 data point.

Related Group Addresses: Switch (1-Bit) Write: Switch (1-Bit) Read:

Data write group address to which On/Off command is sent Data read group address where On/Off status is monitored

Dimming Value:

It is the function that allows controlling and monitoring brightness value of the connected device. It uses 5.001 1 Byte Data Type when reading and writing data. Related Group Addresses:

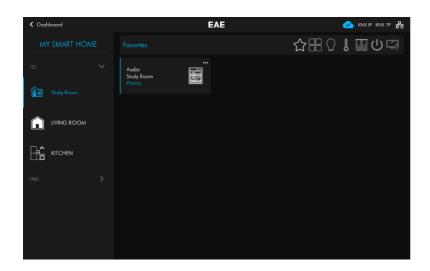
Dimming Value (1-Byte) Write: Dimming Value (1-Byte) Read: Data write group address to which brightness value of load is sent Data read group address where brightness value of load is monitored



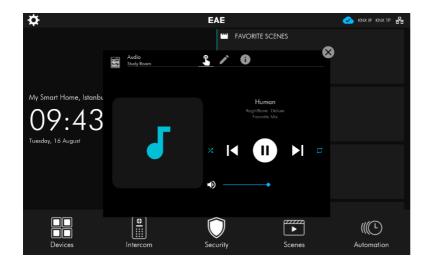
7.1.10. AUDIO

Audio Accessory allows to control and monitor Audio devices in KNX Systems by Miola Touch Panels. Play/pause, volume, previous track, next track, shuffle, repeat, current track, album, artist, playlist controls and status informations are controlled and monitored by this accessory type.

MIOLA TOUCH PANEL UI VIEW



In summary view, playing or paused status of device is monitored. Just tap device to reach detailed view.



You can find detailed view of Audio function group in the left hand side. Play/pause, volume, previous track, next track, shuffle, repeat control and current track name, album, artist and play list informations are displayed and controlled under this function

AVAILABLE FUNCTIONS

Function Name	KNX Data Point	KNX Group Address
Play (1:Play, 0:Pause)	1.001 (1 Bit)	Write, Read
Volume	5.001(1Byte)	Write, Read
Mute (1:Mute, 0:Unmute)	1.001 (1 Bit)	Write, Read
Previous	1.001 (1 Bit)	Write
Next	1.001 (1 Bit)	Write
Current Track	16.000 (14 Byte)	Read
Current Album	16.000 (14 Byte)	Read
Current Artist	16.000 (14 Byte)	Read
Current Playlist	16.000 (14 Byte)	Read
Shuffle (1:Mix, 0:No Mix)	1.001 (1 Bit)	Write, Read
Repeat (1:Repeat, 0:No Repeat)	1.001 (1 Bit)	Write, Read



ADDING A NEW AUDIO ACCESSORY

Follow the steps in Adding New Accessory section, to add new KNX - Audio Accessory:

- Go to Add a new Accessory Wizard.
- In first step, enter accessory name, icon, room and another information. Choose KNX-TP or KNXNET-IP as driver.
- In second step, choose Accessory Type as Audio.
- In third step, enter required information and configure functions related to Audio accessory.
- Click save to apply changes.

EAE Technology	Devices / Accessory Add	🕮 English 🛛 🛛 🗮	Devices / Accessory Add	📟 English 🛛 🤤 EAEAdmin
🕐 Dashboard	Step 1 Step 2 Enter device nome, room and driver Select category	Step 3 Configure device details	Current Track (14-byte)	
♥ Devices ^	« Back	Save 🛓	Read	
👝 Drivers				
Accessories	Play (1-bit -> 1:Play, 0:Pause)		Current Album (14-byte)	
🕎 Rooms	Write Read		Read	
intercom 🗸 👋				
❶ Scene & Automation ∨	Volume (1-byte)		Current Artist (14-byte)	
🔒 Security			Read	
💉 UI Settings 🛛 🗸	Mute (1-bit -> 1:/Mute, 0:Unmute)		NAMO and and an	
🔅 System Settings 🛛 🗸			Current Playlist (14-byte)	
	Previous (1-bit)		Corrent Proying (14-byte)	
	Write		Read	
	Write Value 1			
			Shuffle (1-bit -> 1:Mix, 0:No Mix)	
	Next (1-bit)		Write	
	Write			
2020 © EAE - v3.2.57	Write Value 1	•	Repeat (1-bit -> 1:Repeat, 0:No Repeat)	

FUNCTIONS

Play (1-bit -> 1:Play, 0:Pause):

It is the function that allows the current track to be played or paused. When reading and writing data, it uses the 1-Bit 1.001 data point. Related Group Addresses: Play (1-Bit) Write: Play (1-Bit) Read: Data write group address to which Play/Pause command is sent Data read group address where Play/Pause status is monitored

Volume (1 Byte):

It is the function that allows changing volume level. When reading and writing data, it uses the 1-Byte 5.001 data point. Related Group Addresses: Volume (1-Byte) Write: Volume (1-Byte) Read: Data write group address to which volume level command is sent Data read group address where volume level status is monitored

Mute (1-bit -> 1:Mute, 0:Unmute):

•	•
It is the function that allows th	e volume to be muted or unmuted. When reading and writing data, it uses the
1-Bit 1.001 data point.	
Related Group Addresses:	
Mute (1-Bit) Write:	Data write group address to which Mute/Unmute command is sent
Mute (1-Bit) Read:	Data read group address where Mute/Unmute status is monitored



Previous (1-bit):

It is the function that allows to skip to the previous track. When writing data, it uses the 1-Bit 1.001 data point. Related Group Addresses: Previous (1-Bit) Write:

Data write group address to which previous track command is sent

Next (1-bit):

It is the function that allows to skip to the next track. When writing data, it uses the 1-Bit 1.001 data point. Related Group Addresses: Data write group address to which next track command is sent Next (1-Bit) Write:

Current Track (14-byte):

It is the function that allows to show the current track name. When reading data, it uses the 14-Byte 16.000 data point. Related Group Addresses:

Current Track (14-Byte) Read:

Data read group address where current track name is monitored

Current Album (14-byte):

It is the function that allows to show the current album name. When reading data, it uses the 14-Byte 16.000 data point. Related Group Addresses: Current Album (14-Byte) Read: Data read group address where current album name is monitored

Current Artist (14-byte):

It is the function that allows to show the current artist name. When reading data, it uses the 14-Byte 16.000 data point. Related Group Addresses:

Current Artist (14-Byte) Read:

Data read group address where current artist name is monitored

Current Playlist (14-byte):

It is the function that allows to show the current playlist name. When reading data, it uses the 14-Byte 16.000 data point. Related Group Addresses: Current Playlist (14-Byte) Read: Data read group address where current playlist name is monitored

Shuffle (1-bit -> 1:Mix, 0:No Mix):

It is the function that allows the playlist to be played shuffled or sequentially. When reading and writing data, it uses the 1-Bit 1.001 data point. Related Group Addresses: Shuffle (1-Bit) Write: Data write group address to which Mix/No Mix command is sent Shuffle (1-Bit) Read: Data read group address where Mix/No Mix status is monitored

Repeat (1-bit -> 1:Repeat, 0:No Repeat):

It is the function that allows the current playlist to be played repeatedly or without repeating. When reading and writing data, it uses the 1-Bit 1.001 data point.

Related Group Addresses:

Repeat (1-Bit) Write: Data write group address to which Repeat/No Repeat command is sent Repeat (1-Bit) Read: Data read group address where Repeat/No repeat status is monitored



7.2. SYSTEM I/O DRIVER

Miola 3.2 operating system includes new accessory types to control and monitor many different types of loads by Touch Panel built-in digital inputs and outputs.

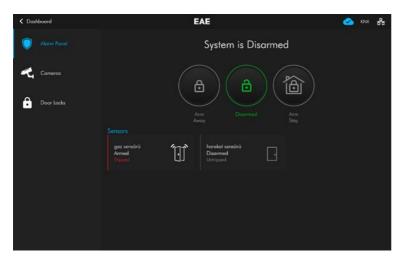
Supported Accessory Types with System I/O Driver (Input Only):

- Motion Sensor
- Door Sensor
- Window sensor
- Leak Sensor
- Gas Sensor
- Smoke Sensor

7.2.1. SENSOR

Sensor Accessory allows to monitor status of digital security sensors connected to digital inputs of Touch Panel. Sensor supports 6 different sensor types. These are motion, door, window, leak, gas and smoke sensors.

MIOLA TOUCH PANEL UI VIEW



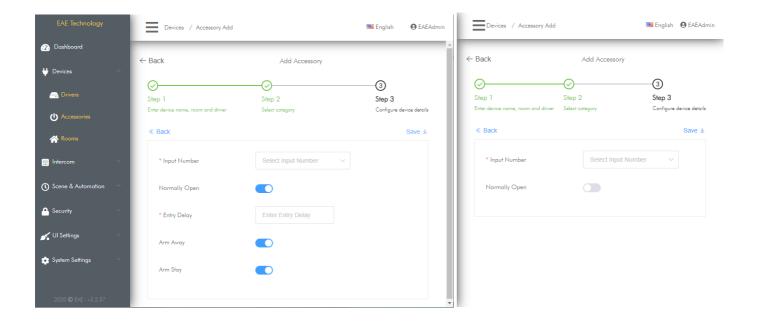
System I/O Sensor Accessory type is displayed in security menu of user interface. The sensor's name, icon, arming status and trigger status are displayed.



ADDING A NEW SENSOR ACCESSORY

Follow the steps in Adding New Accessory section, to add new System I/O - sensor Accessory:

- Go to Add a new Accessory Wizard.
- In first step, enter accessory name, icon, room and another information. Choose System I/O as driver.
- In second step, choose Accessory Type as one of the sensor types.
- In third step, enter required information and configure functions related to sensor accessory.
- Click save to apply changes.



PARAMETERS

Input Number:Number indicating which digital input of Touch Panel the sensor is connected toNormally Open:Sensor connection typeEntry Delay:Time to switch to violation state from the moment the sensor is armed and triggeredArm Away:Arming the sensor when security system switch to arm away modeArm Stay:Arming the sensor when security system switch to arm stay mode



Gas, Smoke and Leak sensors are always armed (24/7)



Entry delay of Gas, Smoke and Leak sensors are always Osec.

8. SCENES

8.1. INTRODUCTION

Scenes are batch operations where multiple actions of multiple accessories can be performed with a single command. Scenes can be created and edited by the end user from Touch Panel user interface or by integrator from Programming Interface.

A scene created by integrator in programming interface has following additional features:

- The scene created by integrator may be invisible in Touch Panel user interface.
- The scene created by integrator can be non-editable from Touch Panel user interface.
- The scene created by integrator can be non-deletable from Touch Panel user interface.

8.2. CREATING A NEW SCENE

A new scene is created in Programming Interface with Create a new Scene Wizard in 4 steps. To do this:

First Step

P

- Go to Scenes&Automation > Scenes
- Click
 button
- Create a new scene wizard will appear.
- In the first step, name, icon and the room of the scene is determined.
- Then whether the scene is a favorite, visible or invisible in user interface and whether the settings can be edited by end user is determined.
- After all, click next button to proceed.

EAE Technology	Scene & Autom	ation / Add Scene	📟 English	e EAEAdmin
👚 Dashboard				
₩ Devices	1 Step 1 New Scene	Step 2	Step 3	Step 4
intercom	/ New Scene	Add/Update Action Group	Configure Actions	Scene Detail
Scene & Automation				Next »
Scenes	* Scene	New Sceme		
🔔 Triggers	lcor	n Icon 4		
A Security	- * Roon	Select Room		
💉 UI Settings	Favorite		Modifiable	
🔹 System Settings	~			
2020 © EAE - v3.2.57				
	Sc	ene Wizard Step 1		



Second Step

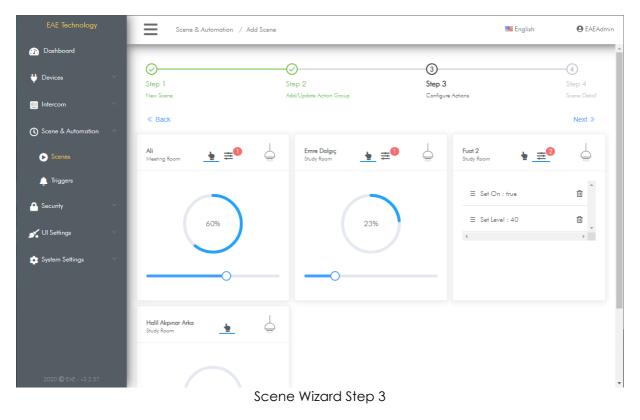
- In the second step, whether the action group is delayed or not, if there is a delay, duration of delay is determined
- Then, accessories that will perform action are selected.
- After all, click next button to proceed.

	Scene & Automation /	Add Scene		English 🛛 EAEAdmin
👚 Dashboard				
₩ Devices ∨	Step 1 New Scene	Step 2 Add/Update Action Group	3 Step 3 Configure Actions	(4) Step 4 Scene Detail
intercom 🗸 👋	« Back	Add/Opdate Action Group	Configure Actions	Next »
🕚 Scene & Automation				
Scenes	Delayed Action	D		
🜲 Triggers	Hour	Minute S	econd	
🐣 Security 🗸 🗸	- 0 +	- 5 +	- 0 +	
💕 UI Settings 🛛 🗸 🗸	- Accessory	Room ~	Category ~	
🔹 System Settings 🛛 🗸	Ali	Meeting Room	Dimmer	
	Cam Tarafi Group	Study Room	Dimmer	
	🗹 Emre Dalgıç	Study Room	Dimmer	
	E Fuat 1	Study Room	Dimmer	
	✓ Fuat 2	Study Room	Dimmer	
2020 © EAE - v3.2.57	🗹 🛛 Halil Akpınar Arka	Study Room	Dimmer	

Scene Wizard Step 2

Third Step

- In the third step, the actions of selected accessories are selected.
- If multiple actions are selected for an accessory, you can view the actions by clicking equation =
 equation =
- After all, click next button to proceed.



Fourth Step

- In the fourth step, it is decided to complete the scene or add a new action group.
- Check scene information and make changes before saving scene.
- Created action groups are listed. These action groups can be modified or deleted.
- A new action group with different delay time can be added.
- After all, click next button to proceed.

EAE Technology	Scene & Autom	ation / Add Scene		🧮 English	e EAEAdmin
👚 Dashboard					
🖶 Devices 🗸 🗸	Step 1 New Scene	Step 2 Add/Update Action Group	Step 3 Configure Actions		Step 4
ill Intercom 🗸 🗸	i terr ocerne	лысу ореаны лыгол отоор	control a surviva		Save
Scene & Automation 🔷					
Scenes	* Scene	New Sceme			
🔔 Triggers	lcon	Icon 4			
A Security 🗸 🗸	* Room	KITCHEN V			
💉 UI Settings 🛛 🗸 🗸	Favorite	Invisible	Modifiable		
🔹 System Settings 🛛 🗸					
	+ Add Action Group				
	Delay	Action Count			Actions
	5 min delayed	4 actions			e 1
2020 © EAE - v3.2.57					

Scene Wizard Step 4



Only one Action Group can be added to a specific delay time.

8.3. EDITING SCENES

You can edit previously added scene from Programming Interface. To do this:

- Go to Scenes&Automation > Scenes
- Click $\ensuremath{\mathbb{C}}$ button in the operations column of the scene you want to edit.
- Scene wizard will appear. Here you can edit desired information of the scene.

8.4. DELETING SCENE

You can delete a previously created scene from Programming Interface. To do this:

- Go to Scenes&Automation > Scenes
- Click 🔟 button in the operations column of the scene you want to delete.
- Scene will be deleted after confirming delete process in the confirmation box.

EAE Technology		Scene 8	Automation	/ Scenes		📟 English	9	EAEAdmin
👚 Dashboard		-	-	Scene	25			A Í
🖶 Devices								~
🌐 Intercom		lcon	Name 🌲	Room ~	Favorite		1	Actions
C Scene & Automation	>		Leave	KITCHEN	*		ľ	Û
Scenes Triggers	>		Party	Study Roo	m 🔶		Ċ	Û
Security								_
_								- 1
💉 UI Settings								- 1
System Settings 2020 © EAE - v3.2.57								
2020 @ LAL - V3.2.37								-

9. TRIGGERS

9.1. INTRODUCTION

Trigger is the act of performing actions when one or more predefined conditions are met. Actions and conditions are defined by integrator in Programming Interface.



Trigger Samples

- Turn on garden lights when every day at 19:00.
- Send push notification when fire alarm occurs
- Turn off Heat Pump when underfloor heating 1 and heating zone 2 is Off.

Types of Conditions:

- Accessory Status based:
 - On/Off state of all switch accessories
 - On/Off and Brightness level of dimmer accessories
 - Position of Shutter Accessories
 - Room and Target Temperature of Thermostat accessories
 - Trigger and violation status of Sensor Accessories
- Security System Status and Modes based:
 - Arming away status
 - Arming stay status
 - Armed away mode
 - Armed stay mode
 - Disarmed mode
 - No violation status
 - Entry & Exit countdown status
 - Burglar alarm status
 - Fire alarm status
 - Smoke alarm status
 - Leak alarm status
- Intercom System based:
 - Incoming call from a contact
 - Outgoing call to a contact
- Application status and doorbell based
 - Doorbell is triggered
 - Application exit from screen saver mode
- Time based
 - Every hour at specified minute
 - Every day at specified time
 - Every week at specified day at specified time
 - Every month at specified day at specified time
 - One time at specified date and time in calendar



Action Types:

- Accessory based
 - o On/Off
 - o Dim level
 - Position level of Shutter
 - o Setpoint temperature and modes of thermostat
 - Run Binary button and punch button
- Sending value to group address of KNX bus
 - Send a specific value to KNX group address
- It is useful to send data to KNX bus line after a condition has been met. Example: Switching all thermostats from heating to cooling mode on a specified date Example: All KNX devices switch into alarm mode in case of security alarm
 - Run a scene
 - Change security system mode (disarm, arm stay, arm away)
 - Dial an intercom call to a contact
 - Send HTTP command
- Send Push Notification to Miola Mobile App
 Example: Send "Security System disarmed" notification when security system is disarmed
 - Example: Send push notification when water valve is turned off.
 - Add delay between actions



9.2. ADDING A NEW TRIGGER

In this section, you can add a trigger to Touch Panel with Miola 3.2 operating system. To do this:

- Go to Scenes&Automation > Triggers
- Click 🕂 button
- Add Trigger wizard will appear
- Enter the name of trigger
- Click When button to add a condition.

Name	
WHEN Security Mode Equals To	>
THEN For example: Turn on the environmental lighting, turn off after 60 seconds	>

Choose time or accessory based condition

Your Smo below	art Home can automatically perform many actions for you. Say what you want to do and your smart home will do it for you. Please start the configuration by choosing one of the available	trigger types
¥	Device Oriented Includes trigger types such as accessory status changes, intercom calls, and security mode change	>
曲	Schedule Oriented Includes types triggered periodically at a specific time or according to sunrise and sunset	>

• You can add multiple condition. You can combine conditions with AND and OR logical gates.

When	8
(Bed Ambient Lights Switch Equals To On AND Doorbell Ringing Equals To Ringing start)	
AND + × + × × Accessory > Bed Ambient I > Equals To > On >	
+ × Doorbell > Ringing > Equals To > Ringing start >	

- Click

 button after all conditions are added
- Click Then button to add action

Name	
WHEN Security Mode Equals To	>
THEN For example: Turn on the environmental lighting, turn off after 60 seconds	>

• You can add multiple actions to condition.



You can delay between actions.



			Then	
	Turn on Bed A	mbient Lights, 6000 ms gecil	e, Knx Değeri Gönder (Dpt:5.004, Adres:9/8/7, Değer:153),	1000 ms gecikme ekle, , Push Bildirimi Gönder (,)
Accessory 🗸	Bed Ambient I 🗸 Set P	ower Or $$	â	
Add Delay 🗸	- 6000 + ms 🛅			
Send Knx Value \sim	DPT 5 (8-Bit 🗸 9/8/7	153	â	
Add Delay 🗸 🗸	- 1000 + ms 🛅			
Send Http Request \lor	http://	â		
Send Push Notifica $$	Title	Message	â	
+ Add Action				
Click	buttor	n after all ac	ns are added.	

Click
 button after all information are set for trigger.

9.3. EDITING TRIGGERS

You can edit previously added triggers in Programming Interface. To do this:

- Go to Scenes&Automation > Triggers
- Click 🗹 button of the trigger you want to edit in the actions column.
- Trigger wizard will appear. Here you can edit any information of the trigger

9.4. DELETING TRIGGERS

You can delete previously added triggers in Programming Interface. To do this:

- Go to Scenes&Automation > Triggers
- Click 🔟 button of the trigger you want to delete in the actions column.
- Trigger will be deleted after confirming delete process in the confirmation box.

10. INTERCOM

10.1. INTRODUCTION

Touch Panels with Miola 3.2 operating system offer IP Based intercom calls using SIP 2.0 communication protocol. Highlights:

- SIP 2.0 peer-to-peer intercom calls can be generated without need of SIP Server.
- Automatic Contacts synchronization
- Shortcut functions available during calls
- Do not disturb mode
- Detailed view of call history
- Forwarding of incoming calls coming to Touch Panel to mobile app when call is not responded in a specified period

Automatic Contacts Synchronization

Touch Panels with Miola 3.2 operating system can recognize each other with multicasting technology when connected to same local network. In this way, Miola Touch Panels automatically registered to each other's contacts. It facilitates commissioning process, especially in large scale residential projects.



Multicasting: It is a technology of transporting an information to more than one point using the least bandwith.



There should be no special configurations on the network to block multicasting packets (such as firewall or special router configurations)

SIP Server Enabled

Touch Panels with Miola 3.2 operating system can be integrated with 3rd Party SIP Servers. So that, Miola Panel can communicate with SIP devices over the 3rd party SIP servers.

10.2. INTERCOM SETTINGS

This is the section where intercom settings of Touch Panel are configured. To do this:

- Go to Intercom > Intercom Settings
- Enter the name you want Touch Panel to be displayed in the contacts of other Touch Panels
- If you want Touch Panel to be displayed in Contacts of other Touch Panels, you can turn-on "Automatic Contact Synchronization".
- Click 🔝 button to save changes.

		Intercom / In	tercom Settings	🔜 English	e EAEAdmin
👔 Dashboard			Intercom Settings		
	×		mercon seiings		•
Intercom	^	Basic Settings			
Intercom Settings		* Display Name			
💄 Contacts		Type a display name			
Scene & Automation	~	Enable Automatic Contac	t Synchronization		
A Security	×				
💉 UI Settings	×	SIP Server Settings			
🔹 System Settings	×	Sip Server Enabled			
		Sip Server	Type a server url - 5060		
		Transport Type	UDP v		
		Username	Type a username		
2020 © EAE - v3.2.57		Password	Type a password		•

10.3. ADDING NEW CONTACT

It is the section where contact is added to intercom contacts of Touch Panel. To do this:

- Go to Intercom > Contacts
- Click 🛨 button to add a new contact.

EAE Technology						English 🛛 😫 EAEAdmin
Dashboard Devices			Cc	intacts		•
intercom	~	Icon Name 🗢	Contact Type	Favorite Shortcut	Intercom Actions	Actions
🔅 Intercom Settings	>	Akuvox R20A	akuvox	* ~		۲ C ش
 Scene & Automation Security UI Settings 	~ ~ ~	Miola	standart	ਨੂੰ √		۲ ۲ ش
🔹 System Settings	~	Security Panel	standart	☆ ✓		ピ ひ 前
			< 1	> 10/page >		

Intercom Contacts Page

- On the opening page, enter name, icon and IP address of the Contact.
- Choose Contact Type.
- If contact is an outdoor station and has a camera, enter RTSP and Snapshot URL.
- If you want to add an action for contact, click add action button. Action types that can be added are DTMF command, HTTP request and an accessory action of Miola operating system. These actions can be used during call with the contact.
- If you want to use these actions without call, you can mark them shortcut. In this case, action is displayed in the Intercom Shortcuts Widget on the dashboard of user interface.
- Click 🕑 button to save changes.

1 RTSP URL is used to display camera before call is answered when a call received from outdoor station.

Snapshot URL is used to display the picture of visitor at missed calls in call history.

10.4. EDITING CONTACTS

In this section, you edit previously added contacts. To do this:

- Go to Intercom > Contacts
- Click 🗹 button of the contact you want to edit in operations column
- You can edit contact information on this page.

EAE Technology		Intercom / Edit	Contact			🥅 English	e EAEAd
👚 Dashboard		← Back		Edi	Contacts		(f
븆 Devices	×	Duck		Eur	Contacts		
j Intercom	^	* Name	Akuvox R2	20A	* Number / IP Address	192.168.0.100	
🔹 Intercom Settings		lcon	Icon 4	~	Favorite		
Contacts							
Scene & Automation	~	Contact Type	Akuvox	~	Shortcut		
Security	~	RTSP Url	rtsp://admir	n:admin@192.1(Snapshot Url	http://admin:admin	@192.16
🖌 UI Settings	~	Username	Type a use	ername	Password	Type a password	
System Settings	~	Display Camera View (Dn Call				
		Shortcut	DTMF ~	Open Door	1		
		Shortcut	Accessory 🗸	Chandelier	Chandelier	~	
					On 🗸		
2020 © EAE - v3.2.57		Add Action					
			Intercom C	ontacts Ad	d / Edit		

10.5. DELETING CONTACTS

In this section, you can delete previously added contacts. To do this:

- Go to Intercom > Contacts
- Click In button of the contact you want to delete in operations column
- Contact will be deleted after confirming delete process in the confirmation box.



10.6. CALL ON MOBILE

Touch Panels with Miola 3.2 operating system offer the opportunity to forward incoming calls to mobile phones via the mobile application if the incoming calls are not answered on the touch panel within the specified time.

To activate call on mobile;

- Go to Intercom > Call On Mobile page.
- Activate Call On Mobile.
- Determine how long after call forwarding will be made according to the security mode.

✔ Dashboard	EAE	< knx ip knx tp 器
Intercom Menus	Call On Mobile	Shortcuts
Favorites	Call On Mobile	🗙 Do Not Disturb
Contacts	Call on Mobile allows you to receive Intercom Calls in your mobile app when you are not at home. You can have live video talk with your visitor from your mobile app and can open gate door if you want.	Akuvox R20A
History	Call Forward Time Security Mode - Disarmed	Open Door
Missed Calls	Security Mode - Armed — 5 sec	Chandelier
Call On Mobile	Call Forward Time allows you to determine period of incoming call to be forwarded when it is not replied at home.	

• Go to Settings > Call on Mobile on Miola Mobile Application and activate it.

11. SECURITY PANEL

11.1. INTRODUCTION

You can control and monitor sensors and IP Cameras you have defined on Touch Panel and receive push-notifications with advanced Security Panel in Miola 3.2.



You can also add KNX Sensors to Security System as you can connect security sensors to digital inputs of Touch Panel.

Three different Security modes are defined to control sensors defined on Touch Panel:

- Arm Away
- Arm Stay
- Disarm

Security sensors can be defined in different types in Miola 3.2. operating system:

- Motion Sensor
- Door Sensor
- Window Sensor
- Leak Sensor
- Gas Sensor
- Smoke Sensor

11.2. ADDING NEW SENSOR

In Miola 3.2 operating system, there are 2 drivers that support sensor accessories. These are System I/O and KNX drivers.

- You can find instructions to add sensor related to KNX drivers at page 31.
- You can find instructions to add sensor related to System I/O driver at page 64.

11.3. SECURITY PANEL SETTINGS

Panel Settings

Security Panel settings are configured in this section. To do this:

- Go to Security > Panel Settings
- Enter Entry Delay as secs.
- If you want to hear countdown notification while security panel is arming away, turn on "Arm away sound"
- If you want to hear countdown notification while security panel is arming stay, turn on "Arm stay sound"
- If you want to hear warning notification of waiting password status, turn on "Entry delay sound".
- Enter sound level for security notifications between 0-100.
- Click Save to save changes.

Panel Settings	1. Save
Entry Deloy 15	
Arm Away Chime Feedback	
Arm Stay Chime Feedback	
Entry Deloy Chime Feedback	
Chime Level 100	

Arming Settings

In this section, arming status of sensors are determined via security system modes. To do this:

- . Go to Security > Panel Settings
- Select in which security system mode the sensors will be armed.



- Different entry delays van be defined for each sensor. For this, Entry delay value in the sensor list must be entered in seconds.
- Click save to apply changes.

Arming Settings						1 Save
Icon Name \$	Category	Armed in Stay Mode	Armed in Away Mode	7/24 Mode	Entry Delay	
Door Sensor	Sensor Door				- 10 +	
Leok Sensor	Sensor Leak					
Motion Sensor	Sensor Motion		v		- 10 +	

Settings to be made on Touch Panel UI

The password for the security system must first be set on the Touch Panel UI. For this:

- Go to Touch Panel UI > Settings > Security
- Enter the password which has been determinated in the Password section and press the save button.

C Das	hboard		EAE		🧭 KNX IP KNX TP 🚼
-*	App Settings	Security Settings			
	Remote	Enter your 4-digit password t screen. Password	o view and control your s	ecurity system from your	
	Notification	SAVE			
\bigcirc	Security				
		1	2 ABC	3 def	
		4 _{GHI}	5 JKL	6 мло	
		7 pqrs	8 _{TUV}	9 _{wxyz}	
			0 .	e	

• Activate the options you want to use the password you set.



Cashboard	EAE	🐼 KNX IP KNX TP 🖁
App Settings	Security Settings	
C Remote	You have already set your password. Tap the button above to re-determine.	
Dotification	Ask password for Arm/Disarm	
Security	Ask for password to turn on the screen	
Ringtone	Double tab to turn off the screen	
General		

11.4. ADDING IP CAMERA

A new IP Camera is added to Touch Panel in this section. To do this:

- Go to Security > IP Cameras
- Click + button
- In the opened page, enter name, icon and room of Camera.
- For the cameras with snapshot feature, enter Snapshot URL, username and password in order to take picture from IP Camera.
- Enter RTSP URL of Camera to get image.
- Turn-on Display in Mobile Application button to display IP Camera image from Miola Mobile App. Enter required IP settings to do this.
- Click Add Action button to perform an action while

EAE Technology	Security / IP Camera Add		📟 English	e EAEAdmin
🕐 Dashboard	← Back	Add IP Camera		Â
the devices	Cock	Add IF Camera		
intercom	* Accessory Name	Study Room		
C Scene & Automation	Icon	Icon 26 - 5		
A Security				
IP Cameras	Room	Study Room V		
🕵 Panel Settings	Snapshot			
💉 UI Settings	Url	Type a snapshot url		
📚 System Settings	Username	Type a username		
	Password	Type a password		
	RTSP Stream			
	Local Url	Type a local url		
	Display On Mobile			
	Add Action			
2020 © EAE - √3.2.57	Save			

watching IP Camera. Action types are DTMF command, HTTP request, and an accessory action of Miola operating System.

12. INTEGRATOR MENU

12.1. ACTIVATING METHOD

The integrator menu is a hidden menu. to activate it:

- Go to Touch Panel UI > Settings > App Settings.
- Tap 4 times to App Version
- Enter Integrator Password in pop-up window. (Default integrator password is 1234)

12.2. FUNCTIONS

The functions in the integrator menu are as follows:

- ETHO Ethernet interface can be configured as static IP.
- Siren of the Touch Panel can be activated in case of sensor violations.
- Horizontal or vertical operation of the Touch Panel can be selected.
- The Touch Panel can be restarted.
- The Touch Panel can be reset to factory settings.

13. CREATING USER FOR MOBILE APPLICATION

Touch Panels with Miola 3.2 operating system offer the opportunity to control the automation system from the mobile application, via Miola Cloud system. For this, a user must be defined on the Touch Panel.

To Add a user:

- Go to Touch Panel UI > Settings > Remote.
- Press the + button on the right side of the Touch Panel. You can add an existing user or a new user in the window that appears.

< Dashboard			EAE			KNX IP KNX TP	品
App Settin	gs						
C Remote		Device Info					
Dotificatio	n	Device Name Serial Number		My Smart Home F11HEP850620		i	
Security		Users				+	
Ringtone		fuataydin	fuat.aydin@eaegroup .com			Add existing user Add new user	
General							

- To add a new user; enter the user's e-mail address (to be used to reset the password), a specific username and password, and click the "Create" button.
- If you want to add a previously created user to the Touch Panel; click add existing user and enter the user name, then click the "Add" button.



Login to mobile application must be done with the **USERNAME**

C Dashboard		EAE			•	KNX IP KNX TP	品
† ! †	App Settings	🗸 Back					
	Remote	Create Remote Account Please enter new user informatic	on for remote access				
â	Notification	E-mail					
\bigcirc	Security	Username Password (Min 6-digit)					
≡ ,	Ringtone	Password again (Min 6-digit)					
\$	General		CANCEL	CREATE			

Adding New User

✔ Dashboard		EAE				🧭 KNX IP KNX TP 器				
	App Settings	< Back								
	Remote	Add Remote Account Please enter username to add use	er to this device							
â	Notification	Username								
\bigcirc	Security									
⊒ŗ	Ringtone		CANCEL	ADD						
₽	General									
Adding Existing User										
		Addi	ng Existing User							