



intertechno®

Funk-Technik GmbH
seit 1970



Bedienungsanleitung

MasterGate

IT-MG



www.intertechno.at



Vielen Dank, dass Sie sich für ein Produkt aus dem Hause intertechno entschieden haben. Wir versprechen, dass Sie mit unseren Produkten viel Freude an Ihrem Smart Home haben werden und das zu einem unschlagbaren Preis. intertechno steht seit je her für Qualität, Langlebigkeit und einfache Installation und Konfiguration der Komponenten.

Bevor Sie das Gerät in Betrieb nehmen empfehlen wir Ihnen Ihre App falls schon auf Ihrem Smartphone geladen zu löschen und sich die neueste Version der App herunterzuladen!!
Führen Sie regelmäßig updates durch, um Ihr Smart Home optimal zu nützen.
Besuchen Sie unsere Homepage www.intertechno.at
Hier wird die Bedienungsanleitung stets aktualisiert.
Auch erfahren Sie von den vielen weiteren Möglichkeiten mit neuen Produkten!

Für Fragen oder Hilfestellungen zum MasterGate schreiben Sie bitte an mastergate@intertechno.at



**Konformitätserklärung / Declaration of Conformity –
www.intertechno.at/CE**

Zugelassen für den Betrieb in allen Ländern der EU sowie der Schweiz und Norwegen.

Hiermit erklärt intertechno, dass das Gerät IT-MG in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 2014/30/EU, 2014/35/EU und 2014/53/EU entspricht.

Hereby, intertechno declares that this IT-MG is in compliance with the essential requirements and other relevant provisions of directive 2014/30/EU, 2014/35/EU and 2014/53/EU

INTRODUCTION – INTERTECHNO MASTERGATE	4
WHAT DOES A MODERN SMART HOME REQUIRE?	4
WHAT IS THE CONCEPT UNDERPINNING THE INTERTECHNO MASTERGATE?	4
HOW DO YOU TELL IF YOU'RE IN CONFIGURATION MODE OR USER MODE?	5
STEP 1: DOWNLOAD THE INTERTECHNO MASTERGATE APP	6
STEP 2: CONNECT THE INTERTECHNO MASTERGATE TO YOUR WI-FI NETWORK	6
CONNECTING FOR THE FIRST TIME	6
STEP 3: CREATE DEFAULT CONFIGURATION (CONFIGURATION MENU)	8
	8
BASIC SETTINGS: ADDING/DELETING/RENAMING ROOMS	9
BASIC SETTINGS: ADDING RECEIVERS	9
BASIC SETTINGS: EDITING RECEIVERS	10
BASIC SETTINGS: PAIRING RECEIVERS	10
ADVANCED SETTINGS: ADDING TRANSMITTERS/SENSORS OR WALL SWITCHES	12
ADVANCED SETTINGS: CREATING IF-THEN RELATIONSHIPS	12
ADVANCED SETTINGS: PAIRING TRANSMITTER/SENSORS, WALL SWITCHES AND INFRARED EQUIPMENT	13
STEP 4: DEFINING SCENARIOS	14
DEFINING BASIC MOODS	14
CHANGING THE PROPERTIES OF TRANSMITTERS/SENSORS TO MATCH THE DURATION OF SCENARIOS	15
STEP 5: DEFINING AUTOMATION RULES	15
STEP 6: TRANSFERRING TO THE MASTERGATE	16
STEP 7: SETTING UP VOICE COMMAND	17
VOICE COMMAND AS STANDARD	17
SENTENCE STRUCTURE - RECEIVER/DIMMER	17
SENTENCES - SCENARIOS	17
AMAZON ALEXA	17
SENTENCE STRUCTURE - RECEIVER/DIMMER	18
SENTENCES - SCENARIOS	19
STEP 8: ACTIVATING PUSH NOTIFICATIONS	19
STEP 9: WORLDWIDE ACCESS	19
STEP 10: FIRMWARE UPDATE	20
STEP 11: UPDATE SUMMERTIME/WINTERTIME	20
STEP 12: INTERTECHNO MASTERGATE STATUS DISPLAY	21
SMART OPTIONS – INTERTECHNO MASTERGATE	22

Introduction – intertechno MasterGate

Your home is now part of a smart and connected network!

We're delighted to be able to help you step into the future! Your home is now intelligent and will react to you. The intertechno MasterGate turns all intertechno receivers built in 1995 or later into smart devices.

You'll soon discover that it's even possible to use the app to completely change how transmitters affect receivers, regardless of the time/time of day or whether you're at home or not (e.g. all dimmers are capped to 50% brightness after 10 pm)

The aim is to minimise the number of manual adjustments you have to make in the future.

All you have to do is to configure it once, then your smart home will have all the information it needs. The MasterGate is the brain of your modern smart home, take plenty of time to set it up.

What does a modern smart home require?

A modern smart home has to have a permanent and reliable connection to your Wi-Fi router as well as an active internet connection. Please make sure these connections are working, otherwise server requests (e.g. what time it gets dark) will not be possible. An active internet connection is also required if you want to access the device remotely.

What is the concept underpinning the intertechno MasterGate?

Up until now you've been living in an analogue world where making dynamic changes to settings using your smart home was simply not possible.

So far, intertechno products have employed **decentralised intelligence**, i.e. transmitters are DIRECTLY connected to receivers. Using this approach, the only way of modifying this link was by removing it entirely or by resetting the devices; this meant that scenario configurations and automation rules could not be set up.

We recommend using **decentralised intelligence** if you want to put an extra light switch somewhere that it's impossible to build, for example.

The intertechno MasterGate relies on **central intelligence** in which all communication between the devices goes through the Smart Home Hub. In other words, all devices are directly linked to the intertechno MasterGate.

Willkommen
bei
intertechno
MasterGate



Schritt für Schritt



SmartHome

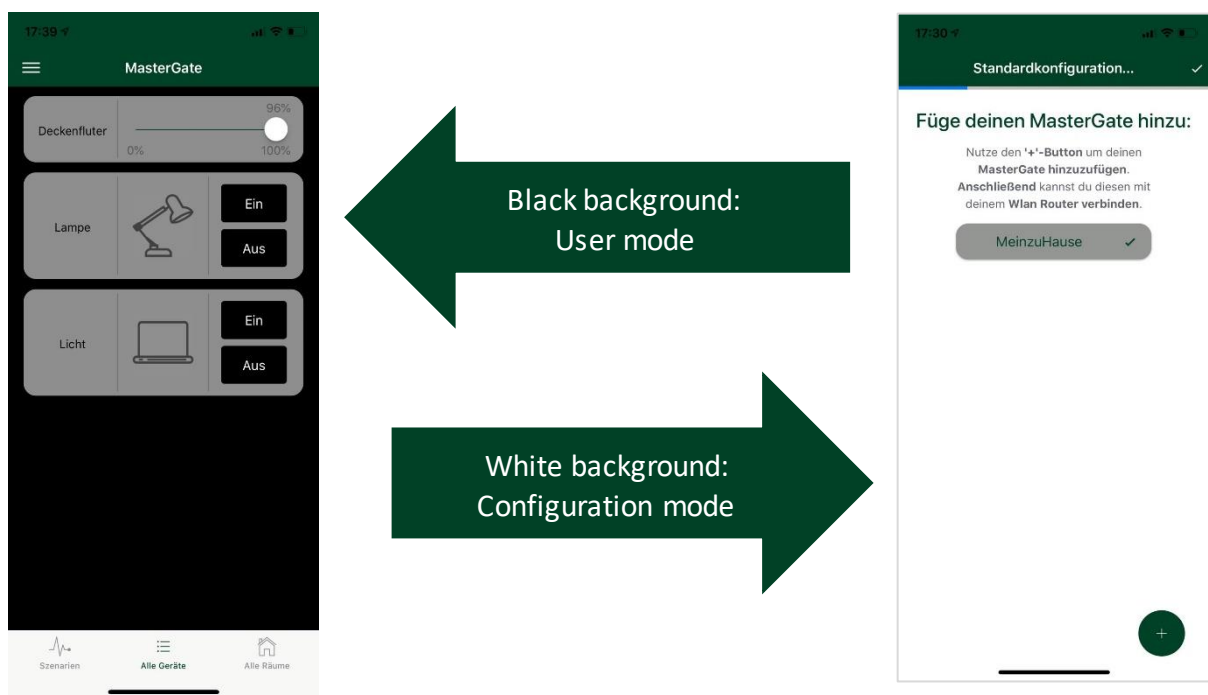


Transmitters and receivers **no longer** have to be directly linked to each other! We recommend this specifically if you want to change the properties of individual sensors according to the duration of a scenario (e.g. all dimmers are capped to 50% brightness after 10 pm).

After initial set up of the intertechno MasterGate, all transmitters and receivers in your smart home are linked to the intertechno hub, this means that you can digitally and dynamically change the connection between transmitters and receivers using the app. You can define scenarios or even change the function of light switches/remote controls. For more information, see [Adding transmitters/sensors](#).

How do you tell if you're in configuration mode or user mode?

As mentioned above, we strongly advise going through the complete configuration mode at least once. Configuration mode is available only on your home network, to which an intertechno MasterGate must be connected.



Configuration mode allows you to set up your smart home to perfection. We recommend proceeding one step at a time by first connecting and pairing receivers. We suggest that you first get familiar with the intertechno MasterGate before moving on to setting up other configurations.

User mode allows you to control your smart home by switching individual receivers on/off or activating scenarios for example. This mode is not designed to be used to make changes to settings.

Step 1: Download the intertechno MasterGate app

System requirements:

Android	iOS
version 5.0 or higher	version 11.0 or higher

Download and install the Android or iOS app for free using this QR code:



Or search for "intertechno MasterGate" on Google Play or in the App Store.


Step 2: Connect the intertechno MasterGate to your Wi-Fi network

Connecting for the first time

- 1) We recommend placing your intertechno MasterGate close to your Wi-Fi router (with an active Internet connection) the first time you try to connect. The intertechno MasterGate uses the 2.4 GHz frequency band. The 5 GHz frequency band may cause interference, so please deactivate this band if your router uses it.

How to proceed: Connect the intertechno MasterGate to the power supply using the micro USB. The intertechno MasterGate will wait for an initial connection to be established with the app. This will be signalled by two orange flashes and then the light will glow green continuously.

- 2) Open the intertechno MasterGate app and follow the instructions displayed in the app. In configuration mode, "CONTINUE" or "FINISH" will appear in the upper right corner of the screen once you've entered all the necessary information, allowing you to confirm your selection.

- (1) Touch  give your intertechno MasterGate a name. We chose “MyHome” for the example below. You can even add several intertechno MasterGate devices, which can be useful if you want to use an intertechno MasterGate in your holiday home, for example. Touch the name of the intertechno MasterGate you added in order to begin the initial set up.



- 3) The initial set up is divided into three steps:



- (2) In **Step 1** you can enter the serial number (S/N) or firmware version of your intertechno MasterGate. You'll find the serial number (S/N) on the label on the bottom of your intertechno MasterGate. Distinctions are made between **S/N 850 or V1.0** or S/N 910 or higher or V2.0 or higher (the following description applies to **S/N 910 or V2.0 or higher**).

After selecting the version, exit the intertechno MasterGate app and access your Wi-Fi settings on your smartphone. Connect to the Wi-Fi network **MasterGate AP**. No password is required.

- (3) **Step 2:** Open the intertechno MasterGate app and enter the details of the Wi-Fi network (SSID and password) you want to connect your intertechno MasterGate to.
- (4) **Step 3:** Now disconnect from the **MasterGate AP** network and connect to the Wi-Fi network which you entered the SSID and

password for in step 2. Touch **“Update”**. Your intertechno MasterGate will now appear in the list.

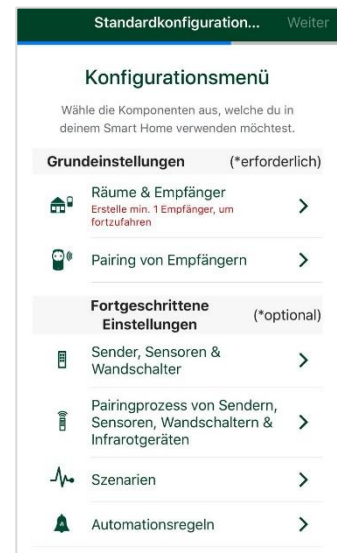
(5) Touch to choose one of the following functions:

Configure	Reconfigure your intertechno MasterGate or override an existing configuration
Load (family approval)	The existing configuration (saved on the intertechno MasterGate) is loaded locally onto a smartphone, allowing multiple users to use the configuration you created.
Reset	Your intertechno MasterGate is reset to factory settings.

Step 3: Create default configuration (configuration menu)


(6) The default configuration is divided into **basic settings** (adding rooms/receivers and pairing receivers) and **advanced settings** (adding transmitters/sensors, pairing transmitters/sensors, defining scenarios, creating automation rules).

We recommend you start by configuring the **basic settings** and then testing them. Afterwards you can move onto the **advanced settings** and become a smart home specialist.



Basic settings: Adding/deleting/renaming rooms

Touch "CONTINUE" in the top right to go to the next screen. Here you can add rooms which can then be assigned to the various intertechno receivers.

(7) Touch  to add new rooms.


Short press on the room name	Overview of receivers which have already been added and the option to add new receivers
Long press on the room name	"Delete" or "Change name"



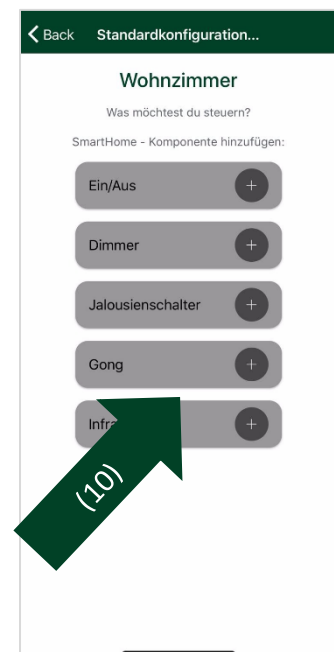
Basic settings: Adding receivers

The intertechno MasterGate can control all intertechno receivers which were built in 1995 or after. You can give any receiver any name and even choose from different icons. Ensure that the name of the receiver does not contain any special characters or numbers, as they are not supported by voice command.

(8) To add receivers simply click on the room name and then

(9) touch  to add new receivers.

(10) Select the receiver type.



- (11) Enter a name and select an icon to appear in the user mode. You can even take a picture and use that by selecting the "Edit receiver" option.

Basic settings: Editing receivers

After adding the receiver, short press on the receiver.

Change name	The name of the receiver can be changed
Change image	Icon can be changed
Take photo	A photo can be taken using the smartphone's camera which can be used as an icon ATTENTION! The icon will only be displayed on the respective local smartphone
Select image from gallery	An image can be selected from your smartphone gallery ATTENTION! The icon will only be displayed on the respective local smartphone
Remove photo	The icon is removed and the previously selected icon is displayed
Pairing	Pairing the receiver directly



Basic settings: Pairing receivers

The pairing process has to be performed once only. A subsequent modification in the relationship between transmitters/sensors and receivers can be carried out by simply modifying the IF-THEN relationship, including the duration of scenarios, see Step 4: Defining scenarios.

Thanks to the central intelligence of the intertechno MasterGate, communication takes place via the Smart Home Hub. Note this when pairing transmitters/sensors and receivers with a coding wheel.

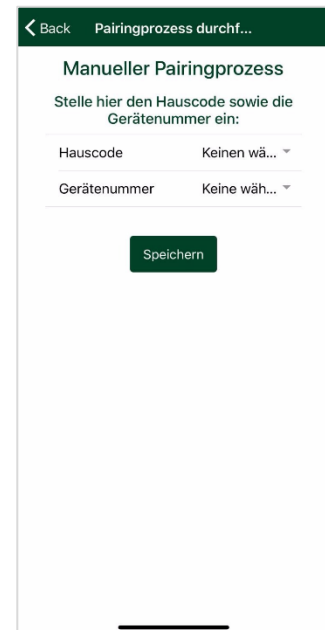
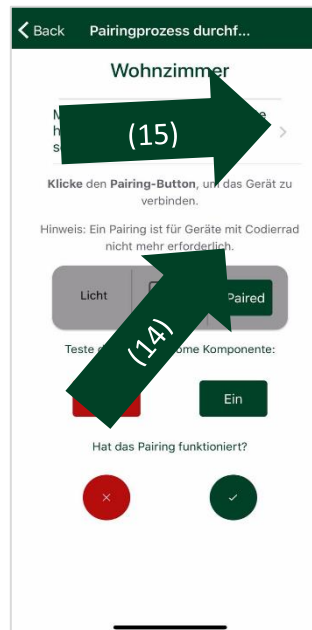
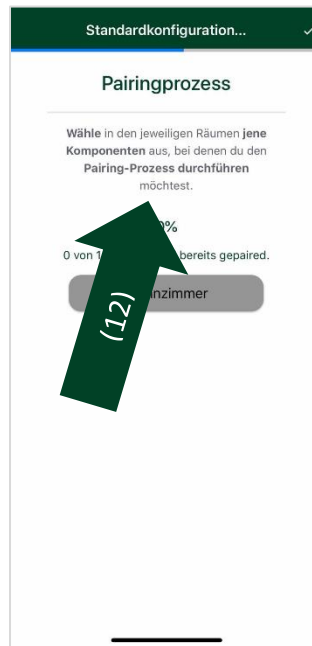
(12) A progress display in percent will show how many receivers are paired.

(13) If you select the respective room, a list will appear displaying all receivers in the room (red=receiver not yet paired, green=receiver successfully paired).

(14) The following screen will appear when you select a receiver that you would like to pair. For self-learning receivers (receivers with a pairing button), press the pairing button on your receiver and "Pairing" in the app. Then test your smart home devices by clicking on "ON" or "OFF". Was the pairing successful? Then touch the green box.

(15) If you have a receiver with a coding wheel, select "My Smart Home Device has a coding wheel instead of a pairing button" at the top of the screen. Then you will be able to select the house code (A-P)

and the device number (1-26).



Ensure that all transmitters/sensors and receivers have different house and equipment codes, otherwise no direct communication will be possible and the intertechno MasterGate will not work.

Advanced settings: Adding transmitters/sensors or wall switches

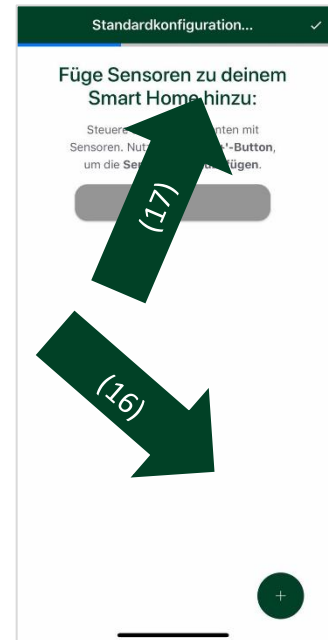
Transmitters/sensors and wall switches can be added to your smart home, names can be given and IF-THEN relationships taught.

(16) To do so, touch  and enter a name.

ATTENTION! You may need to remove any pre-existing direct pairings between transmitters and receivers, as communication will now take place using the intertechno MasterGate, and otherwise radio interference will occur.

The communication principle follows central intelligence. Add any transmitters/sensors or wall switches to your smart home if you want to:

- Use the app in the future to make direct changes to the connections between transmitters/sensors and receivers. Avoid having to reconnect or move cabinets, e.g. if you want to modify connections.
- Use transmitters/sensors to trigger defined dimming values for receivers.
- Have the option to create custom automatic power shut-offs for receivers in the app after triggering transmitters/sensors.
- The relationship between transmitters/sensors and receivers and their characteristics may be modified for the duration of scenarios, see *Step 4: Defining scenarios* (e.g. certain dimmers are capped to 50% after 10 pm)

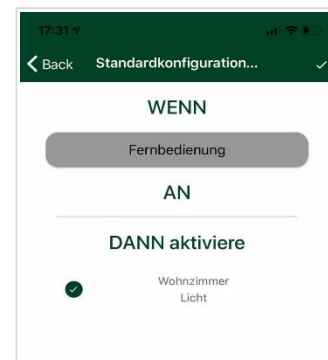


Advanced settings: Creating IF-THEN relationships

In the next screen, you'll be able to select which receivers should be switched on/off, and/or which dimming levels should be set in the default configuration when transmitters/sensors are triggered.

(17) Click on the receiver or set the exact percentage for a dimmer using the slider.

You can also program it to turn off automatically when transmitters/sensors are triggered, e.g. for a stairwell light.



ATTENTION! If you install motion sensors in your smart home, make sure that the switch on the motion detector is 1 metre off the floor.



The automatic power shut-off feature in the app must be set to at least one minute.

Remember also that motion sensors/magnetic switches must be placed sufficiently far apart, if they're too close it can interfere with the radio signals.

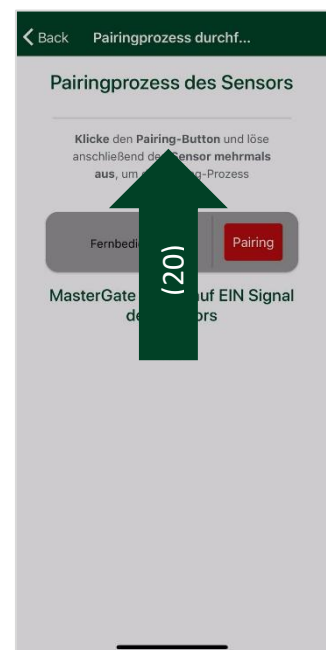
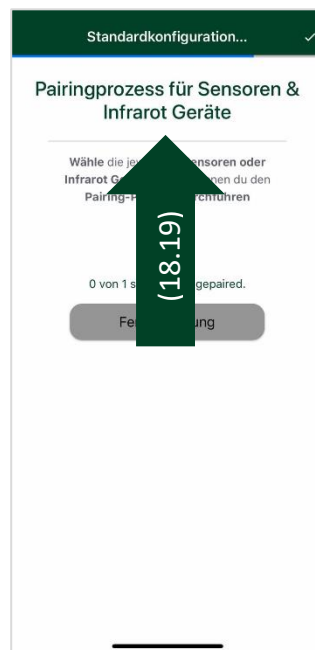
Advanced settings: Pairing transmitter/sensors, wall switches and infrared equipment

The next screen deals with the pairing of transmitters/sensors, wall switches and infrared devices which you have previously set up.

(18) A progress display in percent will show how many receivers/sensors are already paired.

(19) Click on the respective transmitter/sensor.

(20) A coloured light will indicate whether the sensor has been successfully paired (red=sensor still needs to be paired, green=sensor successfully paired). Touch "Pairing" to teach in transmitters/sensors to the intertechno MasterGate.




Please remember when pairing infrared devices to wait about half a second after pressing the command which is to be taught in. To do this, hold the infrared remote control at a right angle directly over the status LED of the intertechno MasterGate.

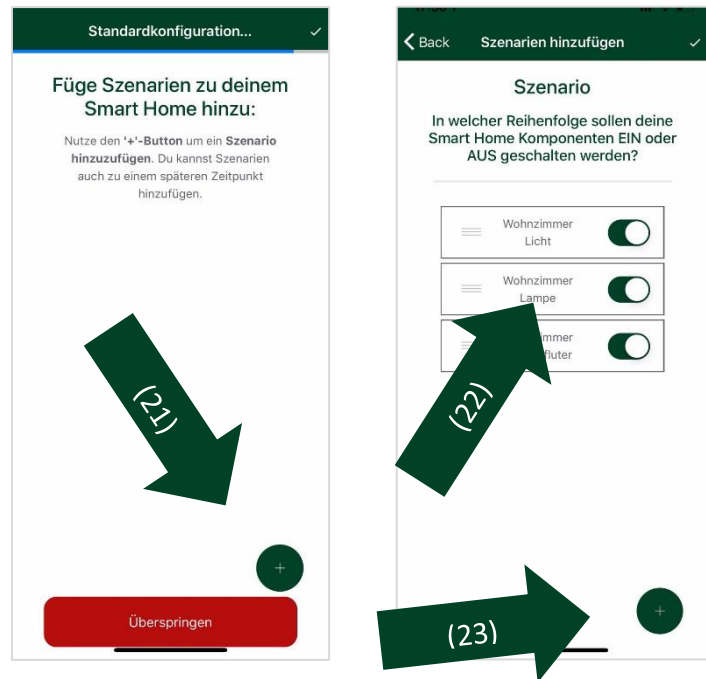
Step 4: Defining scenarios

Scenarios will be at the centre of your smart home from now on. You can organise your entire daily routine using scenarios. Create custom lighting moods in your own home and basic moods for blinds or consumer electronics with a click or even by voice command.

You can even change the properties of transmitters/sensors to suit the duration of the scenario, i.e. a sensor can trigger a different function if a scenario is active.

Creating scenarios

- (21) Follow the instructions in the app and tap  and give the scenario a name. Bear in mind that special characters and numbers are not permitted, as they create difficulties for voice command.



Defining basic moods

- (22) Select the receiver to be used for the basic mood. Only previously selected receivers will be displayed in the scenario in the app (user mode).

Click on the receiver and drag it to the desired position to define the order (or desired dimming level) in which the receivers should be switched on/off.

- (23) Clicking on  you to set up delays.

Receivers which are not included in the basic mood can be actively switched off when the scenario is triggered using the setting "Switch off all other devices".

Scenarios can be controlled from anywhere in the world using the app (user mode).

Your smartphone must not be connected to any other Wi-Fi network for this to work.

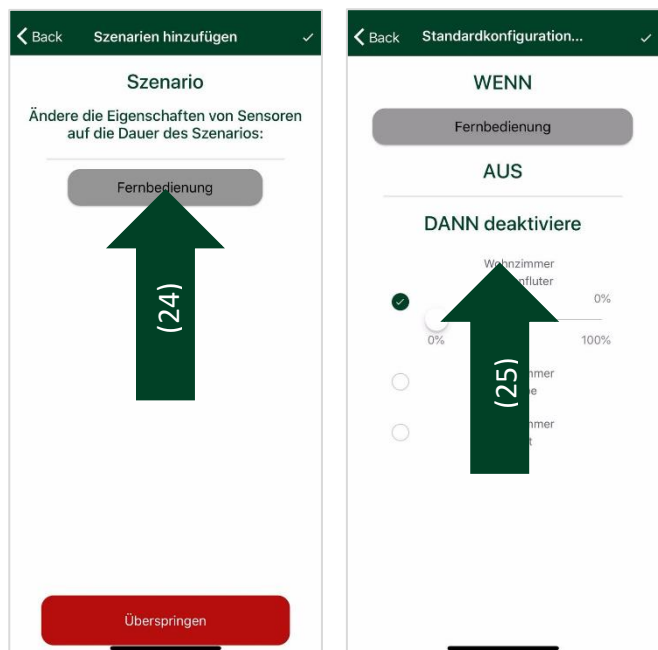
Changing the properties of transmitters/sensors to match the duration of scenarios

With the intertechno MasterGate, you can even change the properties of transmitter/sensors to match the duration of scenarios, i.e. you can choose to have transmitters/sensors in a scenario switch other receivers on/off or set a different dimming level when triggered – depending on the scenario, your smart home will be intelligent and create other moods.

If you don't want to change the function to match the duration of the scenario, the transmitter/sensor will behave according to the default configuration.

(24) Click on the transmitter/sensor for which you want to match the property to the duration of the scenario.

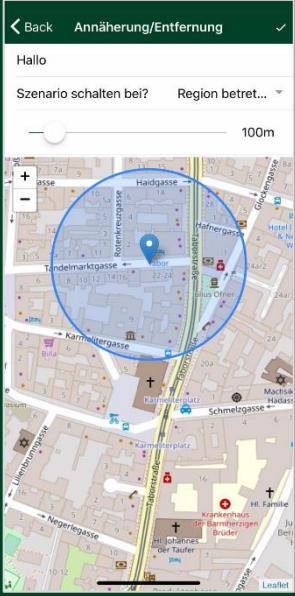
(25) In the app you can then simply select which receivers should be switched on or off while a scenario is active. Dimming levels can also be adjusted.



Step 5: Defining automation rules

Automation rules allow you to automatically activate scenarios from your smart home whenever you want. Follow the instructions in the app and enter a name for the automation rule you want to create. Next, you can choose which scenario you want to control.

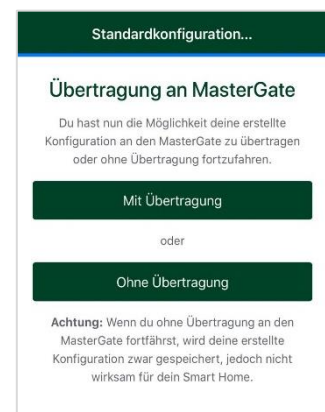
The following triggers can be selected:

<p>Proximity/Distance</p> 	<p>A scenario can be triggered by “entering a region” or “leaving a region”.</p> <p>You can select a notification text to be displayed on your smartphone when the automation rule is triggered.</p> <p>We recommend a minimum radius of 50-100 metres to ensure the triggering works reliably.</p> <p>It is possible to enter a notification text that is displayed as a PUSH message on your smartphone when the automation rule is triggered.</p> <p>ATTENTION! The app must be active in the background for this automation rule to be used. The app must always have permission to perform its GPS queries.</p>
<p>Twilight</p>	<p>A scenario can be activated at sunrise or sunset.</p>
<p>Time/Day</p>	<p>A scenario can be triggered at a defined time on any day of the week.</p>

Step 6: Transferring to the MasterGate

After selecting all the desired settings, you can choose to either save them to your smartphone only by clicking "Without transfer", in this case the settings will not yet be applied to your smart home. Alternatively, you can select "With transfer" to transfer your settings to your intertechno MasterGate and they will be effective.

ATTENTION! Make sure you connect to the same Wi-Fi network as the intertechno MasterGate.



Step 7: Setting up voice command

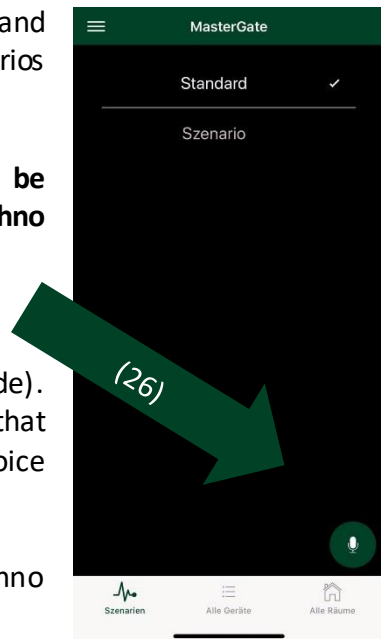
The intertechno MasterGate is able to trigger scenarios and receivers using voice command as standard. Alternatively, scenarios and receivers can be controlled using Amazon Alexa.

ATTENTION! To use this function your smartphone must be connected to the same Wi-Fi network as the intertechno MasterGate.

Voice command as standard

- (26) Touch the microphone button in the app (user mode). The microphone button will turn red, which means that the intertechno MasterGate app is waiting for a voice command.

Make sure the system volume is activated, as the intertechno MasterGate app won't be able to speak back to you otherwise.



If the voice command function doesn't recognise a room or a receiver, rename it and make sure you speak clearly.

Sentence structure - Receiver/Dimmer

Component	Status	Receiver (example)		Room		Dimming level (example)
ON/OFF Receiver	Activate/disable	<i>Light</i>	in/on/at	<i>Living room</i>		
Dimmer	Activate/disable	<i>Light</i>	in/on/at	<i>Living room</i>	to	<i>20 percent</i>

Sentences - Scenarios


Status	Scenario (example)	Scenario name (example)
Activate	Scenario	<i>Garden</i>

Amazon Alexa

With the intertechno MasterGate, all intertechno receivers from 1995 onwards can be controlled using voice command. Scenarios can be controlled in this way too. In addition, you will need an end device which is compatible with Amazon Alexa.

Intertechno provides EXTRA options!

Open the **Amazon Alexa App** and search for "intertechno" in the Skills Store. Activate the intertechno skill and link it to your Amazon account – a link to your intertechno MasterGate is now required:

- 1) Open the side menu in the intertechno MasterGate app by touching 
- 2) Touch **“Amazon Alexa”**.
- 3) Log in with your Amazon account details. You will now receive a verification link to copy and paste into the “Verification link” field. Make sure that you only copy the verification link and not the text above it.
- 4) Click on “Link”. Your Amazon account is now linked to your intertechno MasterGate. This will be confirmed with the message: *“linked with XXX”*.

Sentence structure - Receiver/Dimmer

Amazon Alexa	Status	Receiver (example)		Intertechno MasterGate Skill
<i>Alexa,</i>	<i>activate/disable</i>	<i>Light</i>		<i>with intertechno plus</i>
<i>Alexa,</i>	<i>switch</i>	<i>Light</i>	<i>on/off</i>	<i>with intertechno plus</i>
<i>Alexa,</i>	<i>turn</i>	<i>Light</i>	<i>on/off</i>	<i>with intertechno plus</i>

If the receiver is a dimmer, Amazon Alexa will ask you what percentage you want to dim the light.


If the same name has been used for a receiver in several rooms, Amazon Alexa will ask which room the respective receiver is in.

If the voice command function doesn't recognise a room or a receiver, rename it and make sure you speak clearly!

Amazon Alexa	Status		Scenario name (example)		Intertechno MasterGate Skill
<i>Alexa,</i>	<i>activate/disable</i>	<i>Scenario</i>	<i>Garden</i>		<i>with intertechno plus</i>
<i>Alexa,</i>	<i>switch</i>	<i>Scenario</i>	<i>Garden</i>	<i>on/off</i>	<i>with intertechno plus</i>
<i>Alexa,</i>	<i>turn</i>	<i>Scenario</i>	<i>Garden</i>	<i>on/off</i>	<i>with intertechno plus</i>

Step 8: Activating PUSH notifications

The intertechno MasterGate app allows you to activate PUSH notifications for motion detectors and magnetic switches:

- 1) Open the side menu in the intertechno MasterGate app by touching .
- 2) Click on "PUSH notifications".
- 3) Select the respective sensors that you want to receive PUSH notifications for.

Each user can use the intertechno MasterGate app to define which sensors they would like to receive notifications for.

The PUSH notification will appear 1-3 minutes after the sensor has been triggered.

The intertechno MasterGate app must be active in the background for this function to work!

Step 9: Worldwide access

You can control scenarios worldwide using the intertechno MasterGate. No special settings are required. For worldwide access, please make sure that you're NOT CONNECTED to any Wi-Fi network. Data communications will be transmitted using your smartphone's mobile data.

You can tell if you're in remote access mode from the message in the app (user mode) "Remote Access Mode".

Remote access mode allows you to activate basic moods in your smart home from anywhere in the world. This feature is not intended to control individual receivers. If you do want to control an individual receiver, create a scenario and then add this receiver to it.

Step 10: Firmware update

Intertechno is constantly striving to give you maximum freedom through our products. We are continuously further developing our products and we want to provide you with free and easy access to these new possibilities.

- (27) Du erkennst, dass eine neue Firmwareversion und dadurch viele neue Features veröffentlicht wurde an dem roten Informationsbutton im Benutzermodus



The other method is as follows:

- 1) Open the side menu in the intertechno MasterGate app by touching .
- 2) Touch "Firmware update" and confirm the selection.
- 3) A message in the app and a short status of the intertechno MasterGate displayed in blue will inform you that the operation was completed successfully.

Your custom configuration will not be erased by a firmware update!

Step 11: Update summertime/wintertime

With the intertechno MasterGate you don't have to go through the hassle of manually adjusting the time and the date yourself, this information is obtained through regular server requests. For this to work, please ensure that your intertechno MasterGate has a stable internet connection (this is also required for various automation rules).

The request to determine if it is currently summer or winter is only carried out when you connect the device to the power supply.

For this reason, briefly disconnect and then reconnect the power supply to prompt the summer/wintertime server request.

Step 12: intertechno MasterGate status display

Flashing	Message
1x	Radio signals/infrared signals are sent to activate/disable receivers
2x in quick succession	Network data required (SSID and password) to establish a connection with the intertechno MasterGate (initial configuration or post-reset to factory settings).
3x, 4x in quick succession	<ul style="list-style-type: none"> • Wait 30–60 seconds until the intertechno MasterGate is ready for operation, otherwise: • Default configuration not transferred or update of default configuration not possible: <p>If applicable, go to configuration mode and touch "Load" to load the existing configuration to the intertechno MasterGate, see Step 2. The configuration can then be modified.</p> <p>If a status notification is displayed permanently, disconnect the intertechno MasterGate from the power supply and your Wi-Fi router, and then reconnect the power supply (to your Wi-Fi router in the first step)</p>

Smart options – intertechno MasterGate

Type	Number
Receiver	70
Sensors	20
IR modules	12
Scenarios	10
Automation rules	12

Issue	Number
Maximum number of receivers which can switch transmitters/sensors on/off	10
Maximum number of receivers that can be switched off using an automatic power shut-off	10
Maximum number of receivers which can be switched on/off by a scenario	20
Maximum number of delay modules in scenarios	5
Maximum number of transmitters/sensors whose properties can be modified to match the duration of a scenario	5
Maximum number of scenarios in which the properties of sensors/users or wall switches can be modified	4