

# User Manual

Art.Nr. xxx xxxx



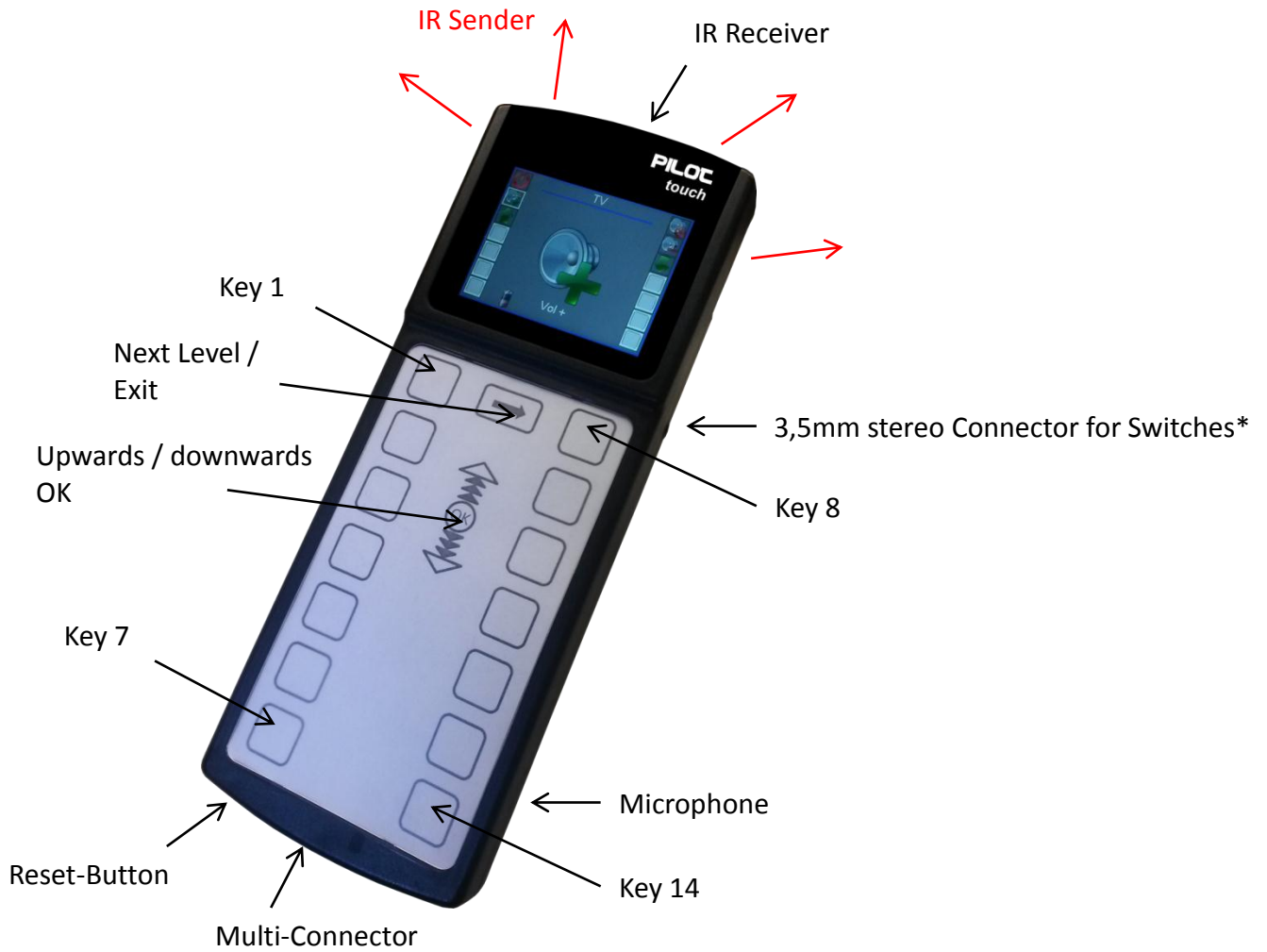
**PILOT *touch***



## Content

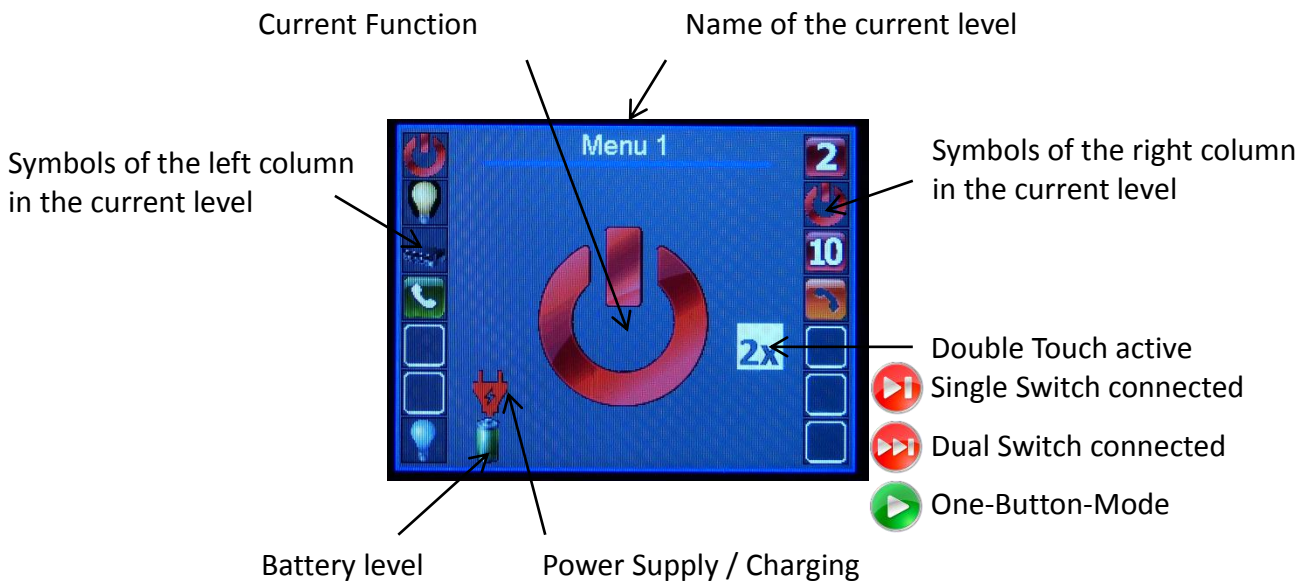
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# 1 Overview



**\* Pilot touch automatically detects whether single switch (mono plug) or a dual switch (stereo plug) is connected. See the icons below that will appear in the display while the connector is in use.**

The display in normal mode:



## What is a PILOT *touch*?

PILOT is a family of environmental control products. Different electrical devices that already have an infrared remote control can be used with the PILOT touch and / or connected switches. In this way you can for example control entertainment equipment and lights all with just one remote control.

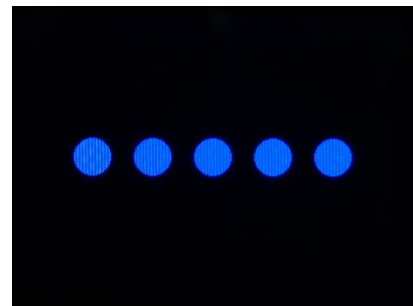
PILOT touch learns the IR signals from the original remote controls and can replace several of your remote controls.

PILOT touch can control up to 112 functions in 8 levels (14 functions each). For each button it can store one icon, one voice recording and up to 4 IR signals (Macro).

PILOT touch can be used with the capacitive touch buttons or through one or two connected switches (single- or dual-scanning).

During the scanning the display always shows the icon of the current function bigger in the middle and all other function of the current level on the left and right side. If a voice recording is stored it you can hear the playback every time the function changes.

When PILOT touch is powered up you can see this picture while loading before the first level is displayed:



As soon as you can see the first level it is ready to use:



In single-switch scanning the current level is always scanned once.

Starting point is always the selected right column. When the scanning switch is activated the first option is to change to the next level (to the right, if available), then to the previous level (to the left, if available) and then to activate the keys of the current level if the scanning switch is hit again.

If there is a voice recording available it will be played when the selection changes.

## 2 Scope of Delivery

- PILOT touch
- Charging Cable
- USB Charger
- User Manual

## 3 Power Supply

PILOT touch contains a Li-Ion rechargeable battery which is automatically charged as soon as it is connected to the USB power supply.

While the power supply is connected you can see a power plug icon in the display right above the battery icon.

The battery icon shows in 4 steps an estimation of the current capacity of the battery.

Charging time is up to 4 hours if the battery is completely empty.

Depending on the quantity of usage PILOT touch can be used up to 48 hours if it is turned off the standby time is several days.

## 4 Programming

All settings can be done in the programming mode. To enter programming mode please touch Key 7 and 14 simultaneously. You will see both LEDs lighting up green and after about 1 sec. you can see the main programming menu.

To navigate in programming menu please use the “upwards”, “downwards”, “OK” and “Exit” button. In some situations you will find soft keys shown at the bottom of the display, please use Key 1 and 8 to select them.

The “return” button also leaves the programming mode and changes back to normal use mode. Depending on the changes you’ll see a message that asks you to wait until changes have been saved.



The following main options are available:

<i>Languages</i>	Change Language
<i>Scanmode</i>	Scanmode settings
<i>Illumination</i>	Change brightness of display and key backlight
<i>Key macros</i>	All settings for the keys, like icon, IR, voice recording
<i>Levels</i>	Voice recording for level announcement
<i>Special modes</i>	Activate special functions
<i>Sysinfo</i>	Device information

## 4.1 User Language

1. Enter programming mode

 +  simultaneously



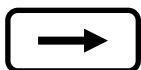
2. Select "Languages" and confirm with "OK"



3. Select the language you like to have and confirm with "OK"



4. The changes will be stored when leaving the programming mode.



When all changes are done in this menu, please use the "return" key to change back to the main menu.

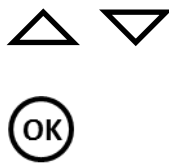
## 4.2 Scanmode settings

1. Enter programming mode

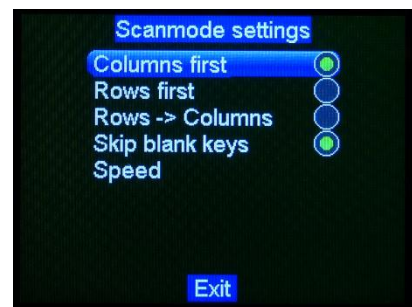
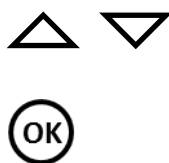
 +  simultaneously



2. Select "Scanmode settings" and confirm with "OK"



3. Select one of the three options "columns first", "Rows first" or "Rows -> Columns" and confirm with "OK"



### *Columns first*

The keys will be scanned from top to bottom, left column first and then the right column.

Scan order: Key 1, 2, 3, ... , 7, 8, ... , 13, 14

### *Rows first*

The keys of each row will scanned from left to right then next row and so on.

Scan order: Key 1, 8, 2, 9, 3, 10, ... 7, 14

### *Rows -> Columns*

The keys of each row will be scanned both together from top to bottom. If the scan switch is activated the buttons in the current highlighted row will be scanned from left to right twice.

4. *Skip blank keys* should be selected all the time. Not used buttons will be skipped during scanning if this option is activated.
5. Select *Speed* and confirm with "OK" to set the scanning speed. You can set the wait time in 0.25 second steps. Use the softkeys to change the value.



When all changes are done in this menu, please use the "return" key to change back to the main menu.



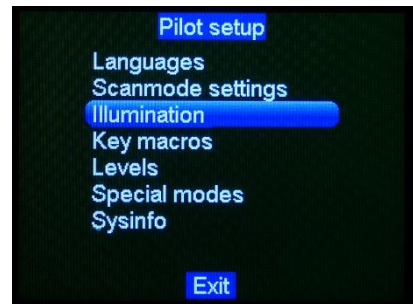
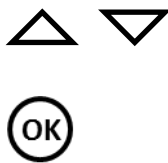
### 4.3 Illumination Settings

1. Enter programming mode

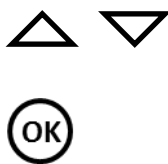
 +  simultaneously



2. Select "Scanmode settings" and confirm with "OK"



3. Select the desired setting and confirm with "OK"



4. The changes will be stored when leaving the programming mode.



When all changes are done in this menu, please use the "return" key to change back to the main menu.

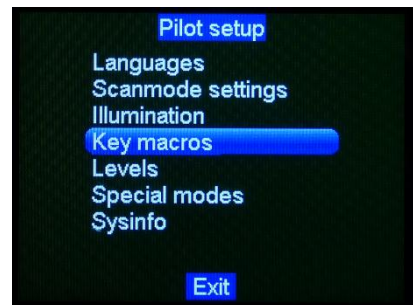
## 4.4 Set the Functionality of the Keys

1. Enter programming mode

 +  simultaneously



2. Select “Key macros” and confirm with “OK”



3. Select the level where you want to configure the keys and confirm with “OK”



**Note**

Here you can see up to 8 levels. The number of available levels can be changed / set with the configuration software.

4. Select the key that you would like to configure by using the keys on the touch area. You can change the key at any time and continue in this level.

 ... 



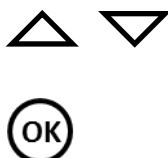
**Note**

The keys can also be configured with the configuration software. If this is not done all keys will be empty here.

### 4.4.1 Copying Infrared Signals

Every key can store up to 4 IR signals. The signals will be sent in the same order as they have been copied. The time between the signals is 0.5 s.

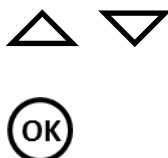
1. Select “Infrared” and confirm with “OK”



**Note**

The selected key can be change at any time by touching the new key. The current selected key is marked with a white square.

2. Now you can choose between Teach-in IR, Test an already stored macro, delete all stored IR signals or analyze the signal of the remote control.

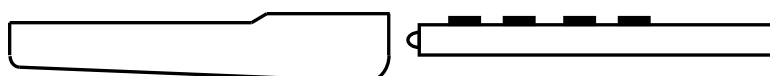


**Note**

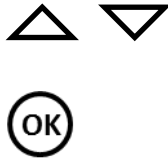
Most IR signals use a carrier frequency between 38 and 40 kHz. If you realize problems with the learned IR signal you should analyze the signal first to set the right frequency. There are also a few systems that use a frequency of 455 kHz. You can also test the stored macro just by pressing the key.

3. Select “Analyze remote” and confirm with “OK”

Now you are asked to send a signal from the remote control. Please position the remote control in front of of the PILOT touch as shown below and press any key. The displayed frequency will then be changed in case it is different.



- Select "Tech-in IR" to store a signal and confirm with "OK"



Position the remote control again in front of the PILOT touch as shown and press the desired key you want to copy. If there is a signal recognized you can see a blinking icon in the PILOT touch display.



As soon as the signal is stored you will see the softkeys at the bottom of the display. Now you can choose if you want to add another signal or not. If you select "yes" please repeat the procedure.

**Note**

*You can store up to 4 IR signals.*

- Select "Test IR" to send the stored signals.

**Note**

*The macro can also be tested just by pressing the key on the touch area.*

- Select "Delete IR" to delete all stored signals for the selected key.

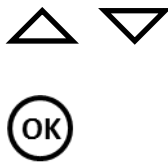
Now you can choose another key and repeat the procedure from 2. to 6. until you have finished copying IR signals for this level.



When all changes are done in this menu, please use the "return" key to change back to the main menu.

### 4.4.2 Voice Recording

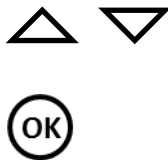
1. Select "Sounds" and confirm with "OK"



**Note**

The selected key can be change at any time by touching the new key. The current selected key is marked with a white square.

2. Now you can choose to record a new sound, play or delete the stored sound.



*Tech in sound*

A bar will be shown in the display which shows you when the recording will start. The maximum length is 2 s. After the recording is done you can hear the playback to make sure it is ok. If not you can repeat this step.

*Play Sound*

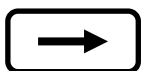
If there is a stored sound you will hear the playback.

*Delete Sound*

Deletes the stored sound.



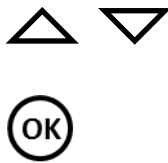
Now you can choose another key and repeat the procedure until you have finished recording for this level.



When all changes are done in this menu, please use the "return" key to change back to the main menu.

### 4.4.3 Choose Icons

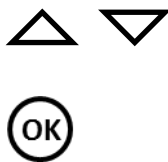
1. Select “Icons” and confirm with “OK”



**Note**

The selected key can be change at any time by touching the new key. The current selected key is marked with a white square.

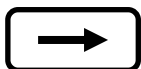
2. Now you can choose an icon for the selected key.



**Note**

The list of available icons can be changed with the configuration software and is transferred to the PILOT touch together with the configuration.

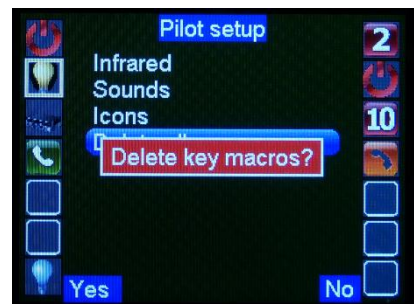
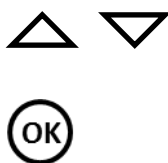
Now you can choose another key and repeat the procedure until you have finished recording for this level.



When all changes are done in this menu, please use the “return” key to change back to the main menu.

### 4.4.4 Delete Key Macros

1. Select “Icons” and confirm with the softkey “yes” to delete all stored settings for this key.



## 4.5 Voice Recording for Level Announcement

1. Enter programming mode

 +  simultaneously



1. Select "Levels" and confirm with "OK"



2. Select the level for which you would like to record the playback and confirm with "OK".

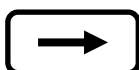


**Note**

You may see up to 8 levels here. The number of available levels can be defined with the configuration software.

A bar will be shown in the display which shows you when the recording will start. The maximum length is 2 s. After the recording is done you can hear the playback to make sure it is ok. If not you can repeat this step.

3. Now you can repeat this step for the next level.



When all changes are done in this menu, please use the "return" key to change back to the main menu.

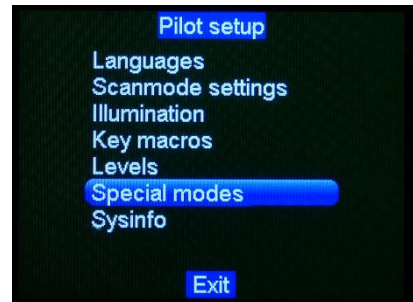
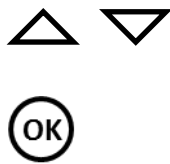
## 4.6 Special modes

1. Enter programming mode

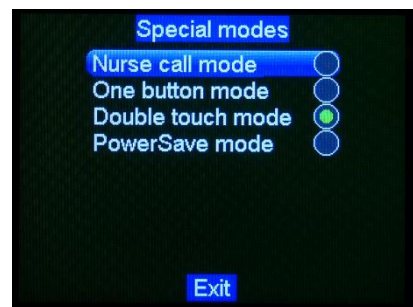
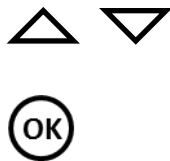
 +  simultaneously



1. Select "Special modes" and confirm with "OK"



2. Select the function you would like to edit and confirm with "OK"



### 4.6.1 Nurse Call Mode

When you select this function you will be asked to choose a level and after that a key in this level.

The selected key can be released in normal mode when:

1. The PILOT touch is in power save (display dark) **and**
2. One or more keys on the touch area are activated **and**
3. This is held for at least 3 seconds (you can see a bar in the display).

### 4.6.2 One-Button-Mode

If this function is activated automatic scanning is turned on and you can use any key on the touch area as the scanning switch. The functionality is similar to the single switch scanning mode when an external switch is connected.



### 4.6.3 Double-Touch-Mode

This function is helpful when the PILOT touch is used through the touch area.

The first touch of a key only shows the big icon in the display and if the same key is touched again within 3 s it will be activated.

### 4.6.4 Power Save Mode

If this function is activated PILOT touch changes to a power save mode when no key is used for 10 s.

### 4.6.5 Dual A / B 3 sec

When you select this function you will be asked to choose a level and after that a key in this level. This function is then linked to a long press on the A key (activate) or B key (next) in Dual-Switch-Scanning.

As soon as you press and hold the A or B key you will see a bar in the display. After 3 s holding the key depressed the here selected function is released independent from the current selected key.



When all changes are done in this menu, please use the “return” key to change back to the main menu.

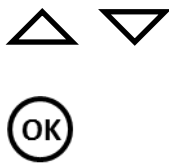
## 4.7 Sysinfo

1. Enter programming mode

 +  simultaneously



1. Select "Sysinfo" and confirm with "OK"



Now you can see the current hard- and software versions.







Änderungen vorbehalten

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