

# PCTV Systems - TVCenter Remote Control

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## **PCTV Systems TVCenter Remote Control**

GB 06 / 2009

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### **Disposal and Recycling**

Do not dispose of electric components in the garbage. Either return defective or unwanted devices to the retailer or take them to an appropriate recycling station!

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# Installation

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The installation of your remote control is dependent on your PCTV Systems device:

- If you have an **external device**, follow the installation instructions in the section "Installation with an External Device".
- If you have an **internal board (PCI-/PCI Express Board) with a separate remote input**, follow the installation instructions in the section "Installation with an Internal Board with Separate Input".
- If you have an **internal board or an external device with a USB receiver-box**, follow the installation instructions in the section "Installation with a Separate USB-Receiver".



The illustrations in this chapter are only examples and may differ in appearance from your hardware or remote control.

## Installation with an External Device

- Please insert the batteries into the remote control.

 Ensure that the remote control is pointing at the infra-red receiver or the hardware housing and that there is a clear line of sight between the remote control and the receiver. The range of the remote control is about 5 metres.

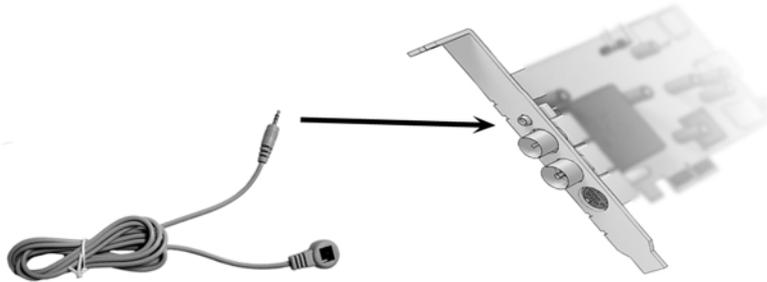


Illustrations are samples.

 If your external device is a stick, you only need to ensure that you are pointing the remote control directly towards the stick housing.

## Installation with an Internal Board with Separate Input

- In order to install the remote control device insert the receiver cable of the remote control into the remote control input of your hardware.



- Now fasten the other end of the receiver cable to your monitor or the housing of your computer by using the adhesive strip included in the delivery quantity.



Ensure that there is a clear line of sight between the remote control and the receiver. The range of the remote control is about 5 metres.



Illustrations are samples.

- Now insert the batteries into the remote control.

## Installation with a Separate USB-Receiver

- Connect the USB receiver box of the IR remote control to a free USB slot by using the supplied USB cable.
- Now insert the batteries into your remote control.

 Ensure that there are no obstacles in the area between the remote control and the USB receiver box. The range of the remote control is about 5 metres.

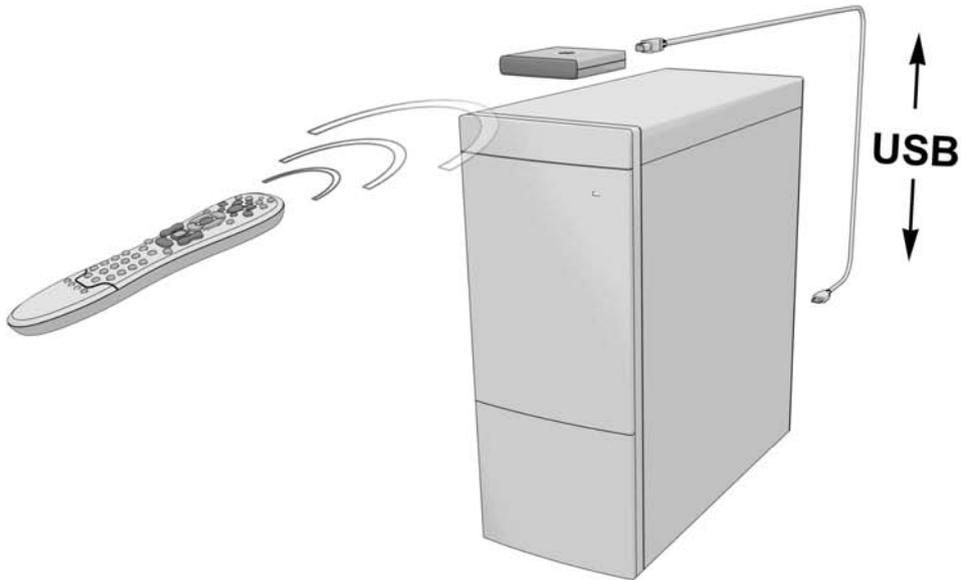


Illustration is a sample.

# Settings

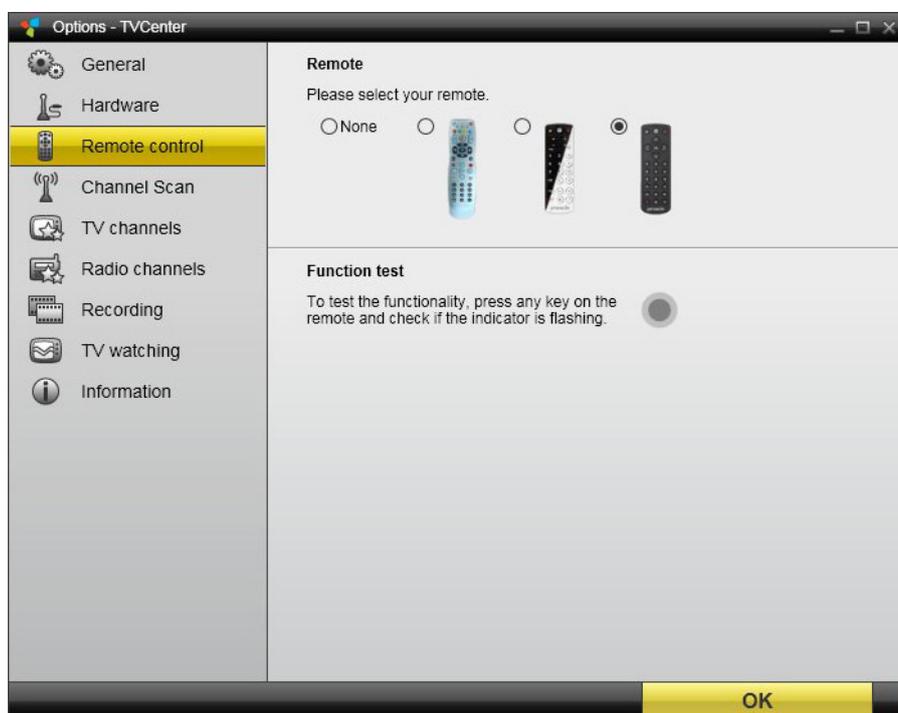
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After installing the device, the remote control is automatically activated by default whenever you start Windows.

To further customise the settings for your remote control, open the PCTV Systems TVCenter Settings Menu and choose "Remote control".

Here you can, for example:

- select the remote control you want to use,
- choose whether the IR receiver should be activated during system start-up,
- select the hardware you want to use as the remote control receiver.



Screenshot is a sample

# Remote Control Button Assignments

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The button assignments for the remote control depend on whether you have **Remote Control Type A / Type B / Type C or Type D**:

**Remote Control Type A**



**Remote Control Type B**



**Remote Control Type C**



**Remote Control Type D**



# Button Assignments for Remote Control Type A

The following diagram shows you an overview of the individual functions for the Remote Control Type A:



 For details on how to use the input buttons, the separating dot and navigate the menu, please see the next page.

## Functions of the Input Buttons

### *Numeric input*

Use the input buttons 0-9 to enter numbers, e.g. to select a TV station directly.



### *Separating dot*

When entering a digital TV channel you can use the Stop Button of the remote control as separating dot, e.g. to select the channel 7.1, you have to press the buttons: 7, Stop and 1.

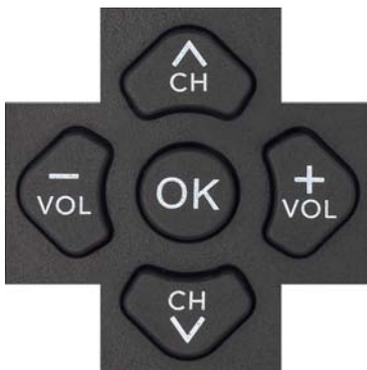


Note this function is only relevant for ATSC or ClearQAM digital TV in US and other countries.

### *Menu navigation*

When you have opened a menu, you can use the buttons: Channel up, Channel down, Volume up and Volume down as arrow keys (similar to cursor control keys) in order to navigate the menu. The currently selected menu item is highlighted in colour.

To start the selected function, press button OK.



## Battery Change

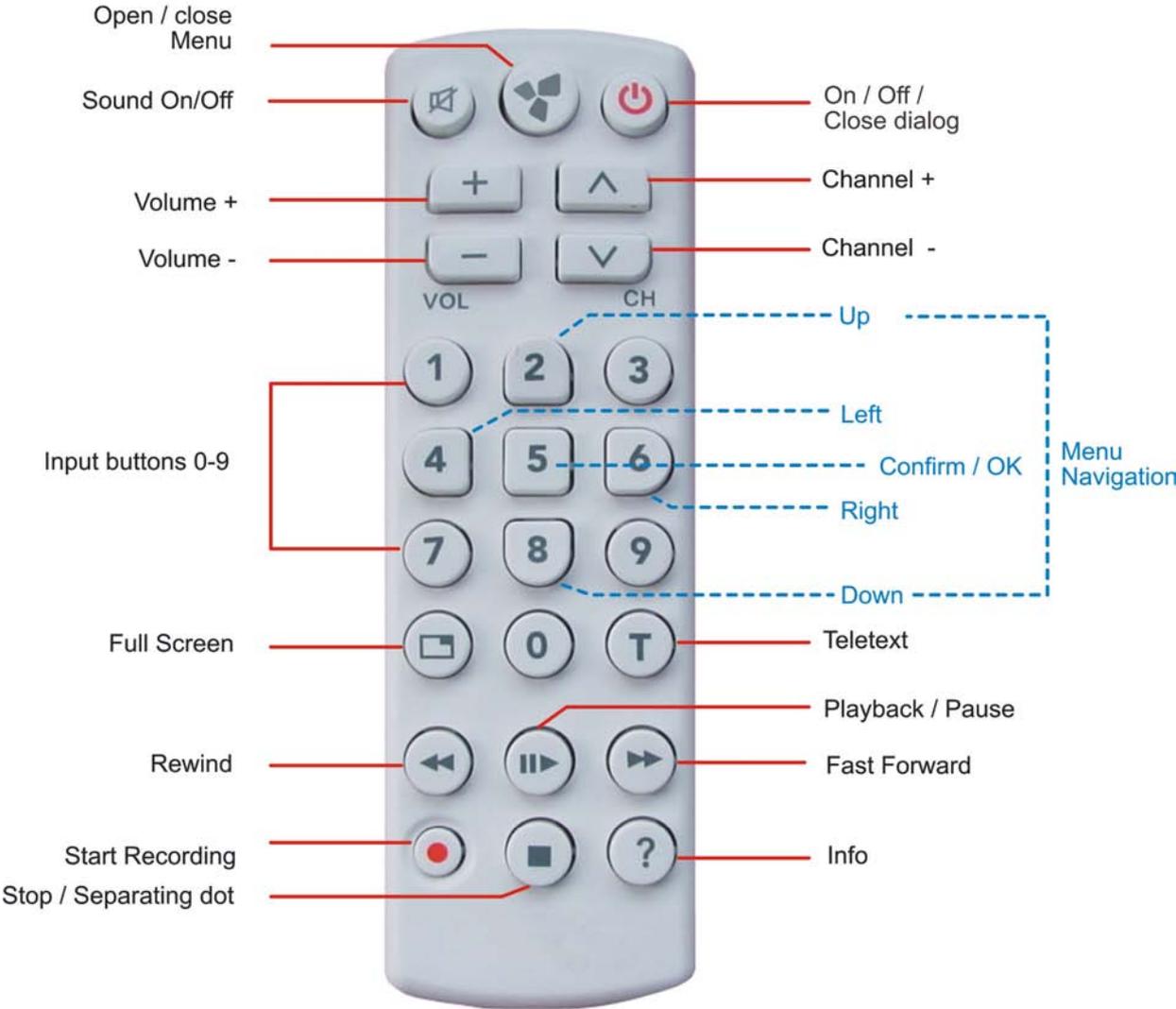
To change the battery you first have to open the battery compartment on the backside of the remote and remove the old battery. The positive and negative poles are now visible (see image 1). Take a new battery (type: CR 2025) and slide it into the compartment underneath the positive pole and then push the battery in (see image 2) until it clicks into place (see image 3). Now close the battery compartment.



Do not dispose the old battery in the garbage. Please take it to an appropriate recycling station!

# Button Assignments for Remote Control Type B

The following diagram shows you an overview of the individual functions for the Remote Control Type B:



 For details on how to use the input buttons, the separating dot and navigate the menu, please see the next page.

## Functions of the Input Buttons

### ***Numeric input***

Use the input buttons 0-9 to enter numbers, e.g. to select a TV station directly.



### ***Separating dot***

When entering a digital TV channel you can use the Stop Button of the remote control as separating dot, e.g. to select the channel 7.1, you have to press the buttons: 7, Stop and 1.

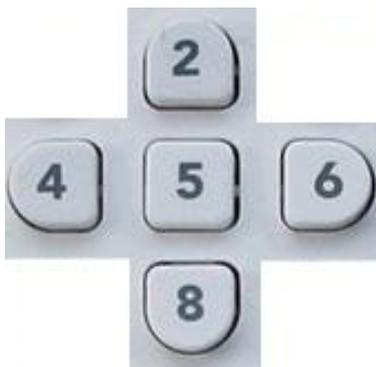


 Note this function is only relevant for ATSC or ClearQAM digital TV in US and other countries.

### ***Menu navigation***

When you have opened a menu, you can use the buttons 2, 4, 6 and 8 as arrow keys (similar to cursor control keys) in order to navigate the menu. The currently selected menu item is highlighted in colour.

To start the selected function, press button 5.



## Battery Change

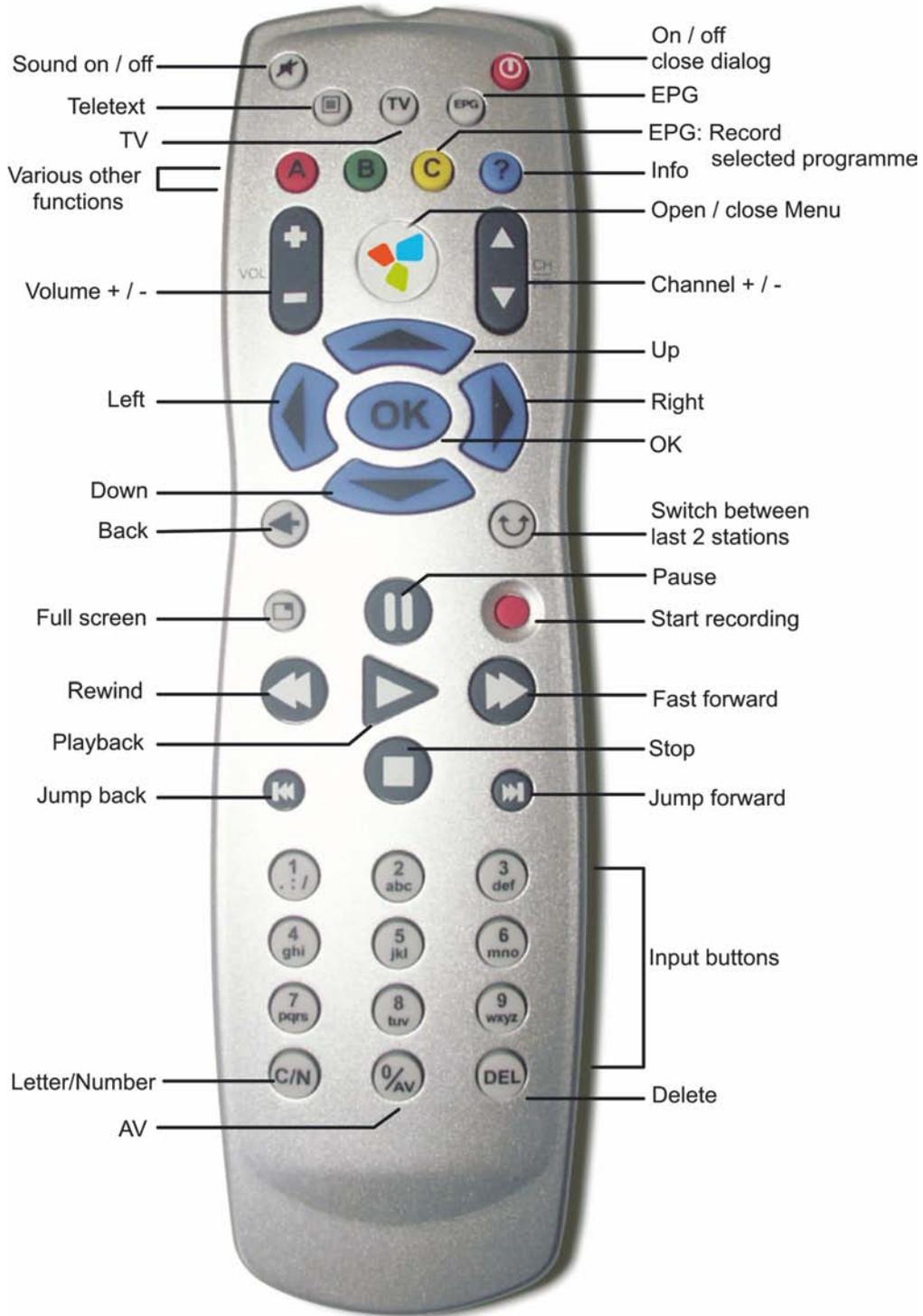
To change the batteries you first have to open the battery compartment on the backside of the remote and remove the old batteries. Take two new batteries (type: AAA) and slide them into the compartment. Please bear in mind the polarity. Now close the battery compartment.



Do not dispose the old batteries in the garbage. Please take them to an appropriate recycling station!

# Button Assignments for Remote Control Type C

The following diagram shows you an overview of the individual functions for the Remote Control Type C:



## Battery Change

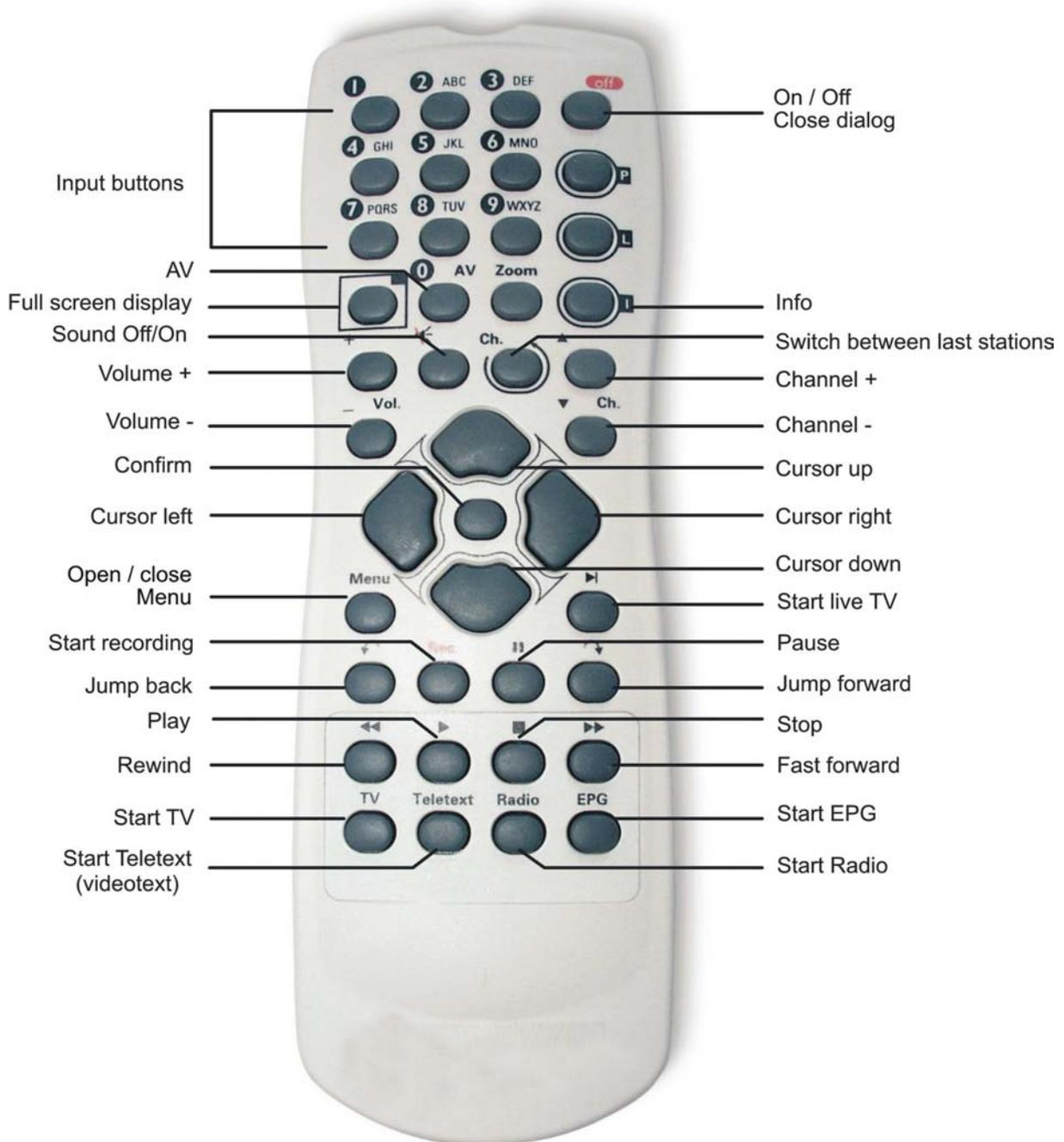
To change the batteries you first have to open the battery compartment on the backside of the remote and remove the old batteries. Take two new batteries (type: AA) and slide them into the compartment. Please bear in mind the polarity. Now close the battery compartment.



Do not dispose the old batteries in the garbage. Please take them to an appropriate recycling station!

# Button Assignments for Remote Control Type D

The following diagram shows you an overview of the individual functions for the Remote Control Type D:



## Battery Change

To change the batteries you first have to open the battery compartment on the backside of the remote and remove the old batteries. Take two new batteries (type: AA) and slide them into the compartment. Please bear in mind the polarity. Now close the battery compartment.



Do not dispose the old batteries in the garbage. Please take them to an appropriate recycling station!

# Troubleshooting

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If your remote control fails to function as expected, check to ensure that

- you are pointing the remote at the receiver.  
The angle between the remote control and the receiver should be a maximum of 30°.
- the distance between the remote and the receiver is not too great.  
The remote control has a range of about 5 metres.
- there is a clear line of sight between the remote and the receiver.
- the batteries are correctly inserted and are not run down.
- you have selected the correct remote control in the TVCenter Settings Menu.
- you have selected the correct hardware for the remote control receiver in the TVCenter Settings Menu.

# Custom Configuration

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The remote control can be used for additional applications by assigning hot keys.



The user is solely responsible for any settings resulting from modifications. These results will not be addressed by PCTV Systems Technical Support. It is therefore recommended that customised programming is only undertaken by experienced users.

## General

The profiles file *profiles.ini* serves to assign specific functions to the remote control keys.

In the current version, these functions include:

- Starting an application
- Simulating a keyboard event (pressing and releasing keys).



Make sure to back up the existing *profiles.ini* prior to making any changes to the file!

You will find the *profiles.ini* – file as follows:

- Windows XP user at:  
*C:\Documents and Settings\All Users\Application Data\PCTV Systems\RemoTerm\Profiles*
- Windows Vista / Windows 7 user at:  
*C:\ProgramData\PCTV Systems\RemoTerm\Profiles*

## Sections

The *profiles.ini* file consists of at least one **[default]** section in which the default keyboard layout is stored (among other things). After the installation, the start keys for PCTV Systems TVCenter are assigned by default:

```
[default]
for example
key38=EXEC c:\...\TVcenter\tvcenter.exe
...
```

Individual keys can be assigned to specific programs. The name of the main screen of the current program, e.g. PCTV Systems TVCenter, is used as the section name:

```
[TVCenter]
key38=KEYBOARD ALT+T+^T+^ALT
...
```

Once the screen "TVCenter" is active, the configuration section's individual command layout of the same name [TVCenter] is enabled.

Command definitions of keys that were not assigned to a specific application are listed in the **[default]** section.

Some screens, for instance in Word, change their name by using the name of the currently displayed document as an extension. Currently, only "**Fixed title - variable title**" is supported. In the section **[title -]**, the fixed title part, including the hyphen, is assigned to another section name. For example:

### Hexeditor HEdit:

```
[title -]
HEdit -=HEdit
```

```
[HEdit]
key63=KEYBOARD UP+^UP
key62=KEYBOARD DOWN+^DOWN
```

# Supported Commands

The following commands are supported:

## EXEC

- *Description:* Start a Windows program
- *Syntax:* **EXEC** Path of the application that is to be started [ | ]  
command line parameter
- *Example:* EXEC c:\WINNT\system32\notepad.exe

## KEYBOARD

- *Description:* Simulate key stroke sequence
- *Syntax:* KEYBOARDKey stroke sequence
- *Key stroke sequence:* = key + [^] key + ...
- *Key:* = any ASCII-character, except lower case letters OR special keys



Prefix ^ stands for “release key”.

## Special Keys

Code	Meaning / Key
CTRL	Ctrl
ALT	Alt
SHIFT	Shift key
F1...F12	F1...F12
TAB	Tab key
UP	↑
DOWN	↓
LEFT	←
RIGHT	→
ESC	Esc
ENTER	Enter key
BLANK	Spacebar
NUM0...NUM9	Keys 0...9 on the numeric key pad
NUMDIV	/ key
NUMMUL	* key
NUMSUB	- key
NUMADD	+ key
SCROLL	Scroll Lock key
NUMLOCK	Number Lock key
PGUP	Page up
PGDN	Page down
Back	←—
POS1	Home key
End	End key
Delete	Del key
Insert	Insert key

### ***For example:***

key38=KEYBOARD CTRL+ESC+^ESC+^CTRL+P+^P

→ Pressing the TV key displays the Windows Start Menu and then the Program Menu.

# Specific Characteristics

## Key Stroke Pause

In some cases it is necessary to wait a moment after pressing the keys so that the appropriate application can respond correctly to the simulated key strokes.

To indicate the pause, the plus sign is replaced by a space. For example:

```
KEYBOARD CTRL+ESC+^ESC+^CTRL P+^P
```

→ After CTRL + ESC, wait 100 milliseconds before pressing the P key.

## Release a Key

Releasing the key has to be indicated explicitly. This provides maximum flexibility when simulating complex key strokes.

By pressing the keys ALT + TAB, the user can toggle between open application screens. To forward through two applications, the following key strokes would be incorrect:

Press ALT once and release

Press TAB twice and release

Instead, the following key combinations are correct:

Press and hold ALT

Press TAB twice and release

Release ALT

The key strokes would be as follows:

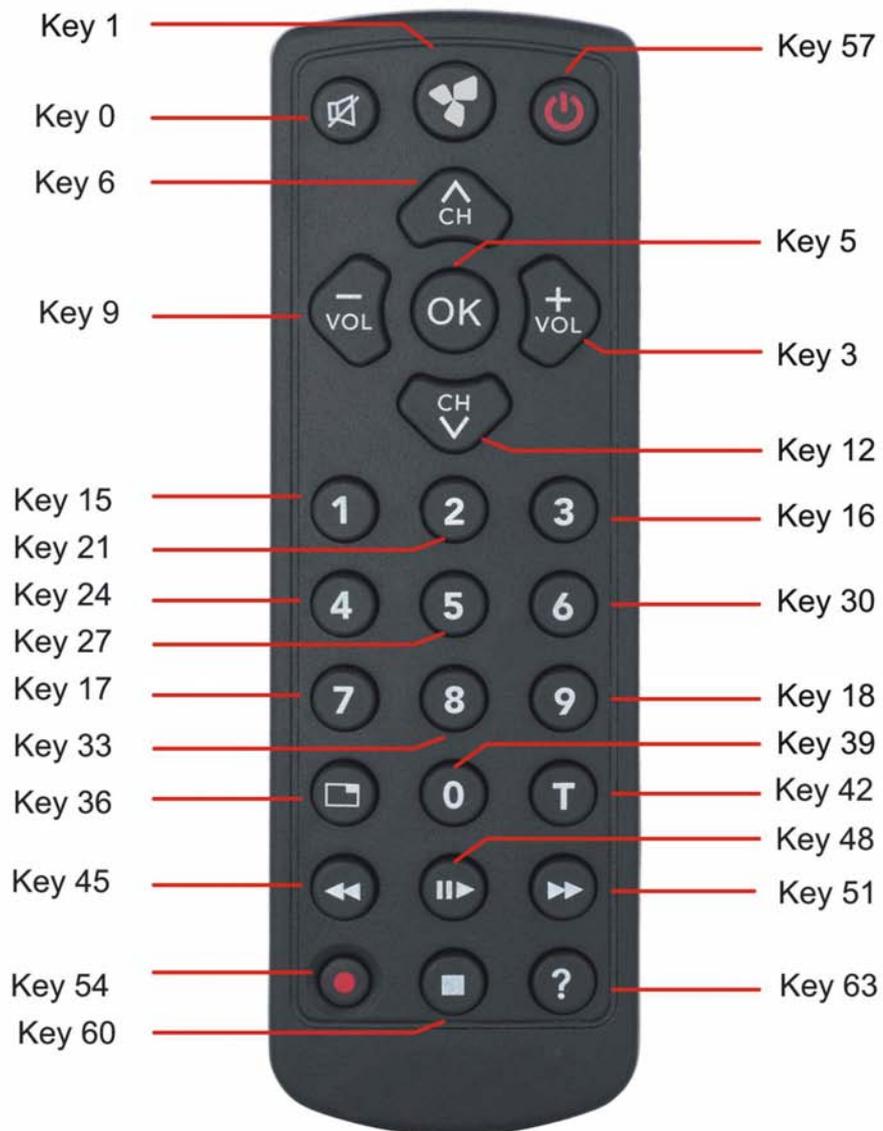
```
ALT+TAB+^TAB+TAB+^TAB+^ALT
```

## Original Key Codes

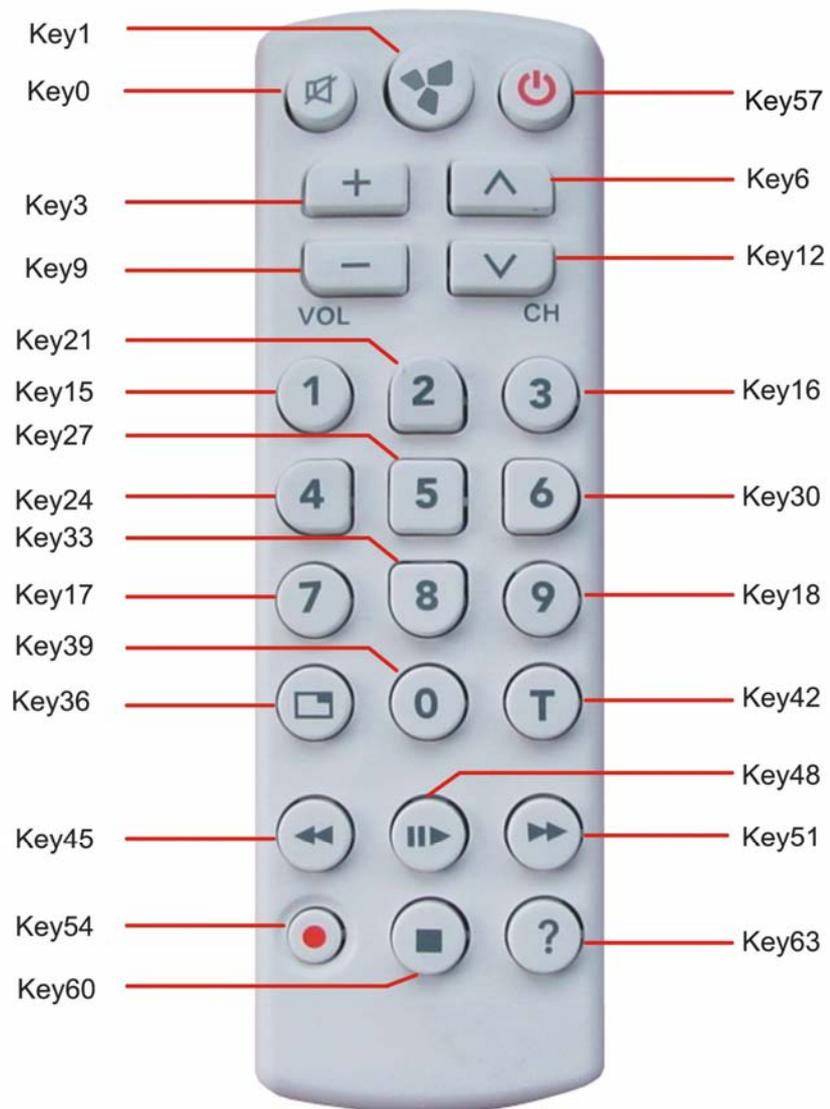


If a key is pressed longer than one half second, you must add the value 64 to the code, in order to activate the Repeat function.

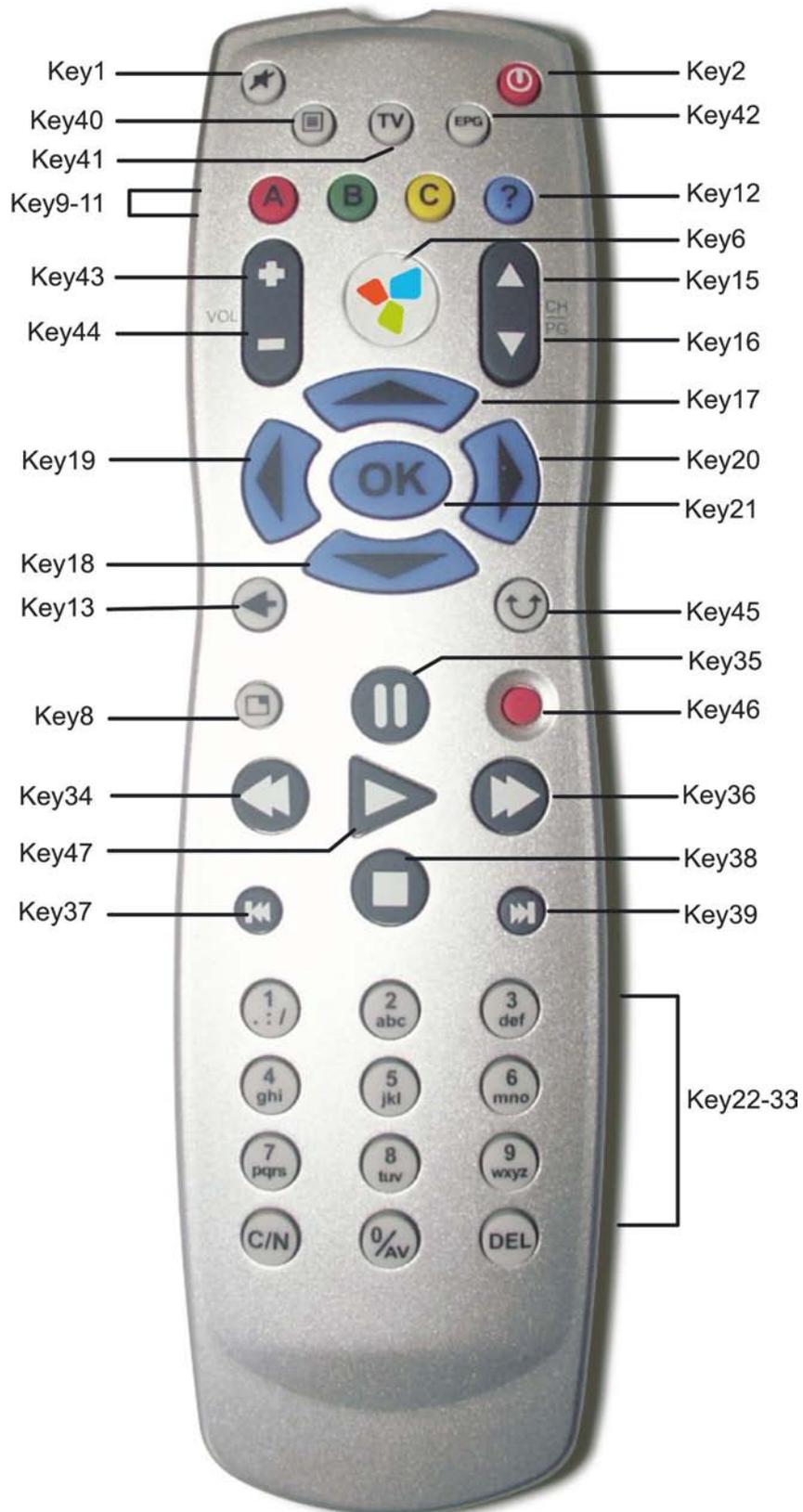
### *Original key code for remote control type A*



## Original key code for remote control type B



## Original key code for remote control type C



## Original key code for remote control type D

