

OVERVIEW OF THE KEYS

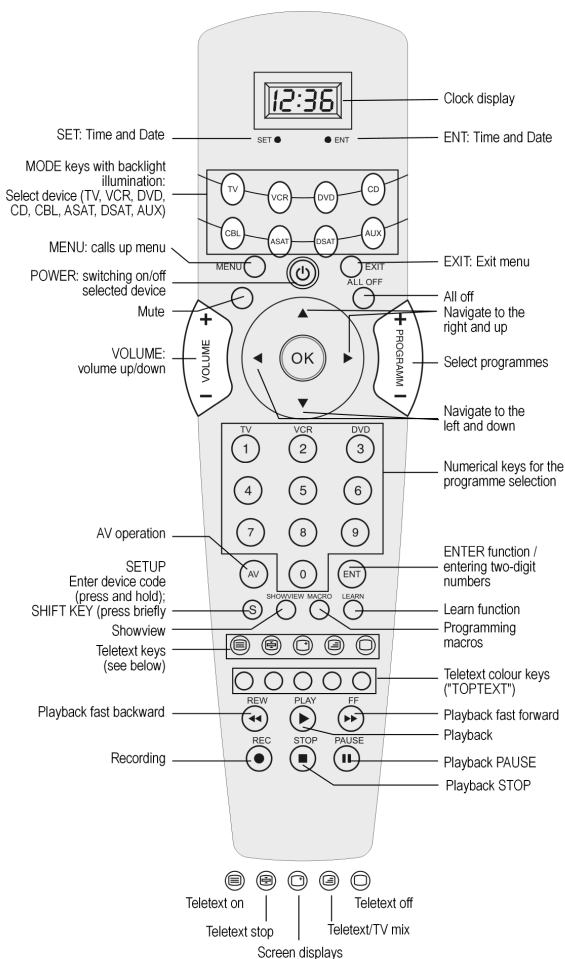


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GENERAL

Safety instructions

Do not try to repair the remote control yourself.

The universal remote control is equipped with a class 1M infrared diode.

Do not look at the laser using optical instruments!

Do not expose your remote control to dust, intense sunlight, humidity, high temperatures or mechanical shocks.

Old and new batteries must never be combined.

Do not use any corrosive or aggressive cleansing agents.



Before using the remote control, please read these operating instructions carefully. Please keep the instruction manual for consultation purposes or for possibly handing it over to third parties.

Scope of application

This universal remote control replaces up to eight normal remote controls and is able to control the following types of device:

| | |
|------|--|
| TV | TV with teletext |
| VCR | Video recorder |
| DVD | DVD player |
| CD | CD player |
| ASAT | Analogous satellite receiver |
| DSAT | Digital satellite receiver |
| CBL | Pay TV decoder |
| AUX | for additional devices (TV, VCR, SAT, CD, DVD,...) |



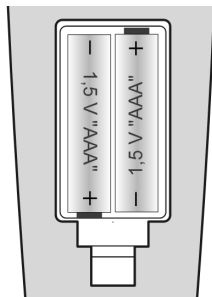
Please note:

The designations on the MODE keys like "TV", "VCR" etc. have the only purpose to facilitate their identification. You can of course assign other types of device to these keys ("Flex-Mode").

Inserting the batteries

Insert 2 micro cells (size "AAA", type R03/ LR03; we recommend the use of alkaline batteries) into the remote control as follows:

1. Remove the battery compartment cover, sliding the clip towards the cover and pulling it out.
2. Insert the two batteries into the compartment observing the right polarity +/−.
3. Put the battery cover back into place.



When exchanging the batteries, it may be necessary to reprogram the unit. Hence it is advisable to record the codes needed for your devices.



Used batteries do not qualify as household waste. The batteries must be disposed of at a collection point for used batteries.

PROGRAMMING THE DEVICE CODES

The codes of the respective devices can be found in the code list attached to these operating instructions. Proceed as follows:

1. Switch on the respective device manually.
2. Keep the SETUP key pressed for approx. 3 seconds until the backlight illumination of the MODE keys flashes shortly and then lights up steadily. ¹ (By briefly pressing the "SETUP" key, you activate the SHIFT function.)
3. Release the SETUP key.
4. Briefly press the desired mode key (TV, VCR, DVD, SAT, DSAT, CD, CBL, AUX)².
5. Enter the e-digit code from the code table; the MODE key will flash shortly for confirmation each time you press a key.
6. If the code entered is the right one, the MODE key will go out when the last digit has been entered. If an invalid code is entered, the MODE key will flash for three seconds before going out. – The direct transfer of the code for your device has now been completed.



Should the device not respond as you expect it to do, you can try to repeat the programming using another code. Please try all the codes indicated for your brand. Select the code that makes your device respond correctly to any command available on your remote control! If you failed this way, then have another try with the search method described in the chapter "Automatic code search".

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1. The MODE key that will light up is always the key you have pressed last. When using the device for the first time, the TV MODE key will be illuminated.
 2. The key designations are only meant as a hint to you. You can assign any desired device to any key ("Flex-Mode").

Manual code search

To run a manual code search, proceed as follows:

1. Switch on the device (TV, VCR, etc.) manually which you want to operate.
2. Keep the SETUP key pressed for approx. 3 seconds until the backlight illumination of the MODE keys flashes shortly and then lights up steadily. (By briefly pressing the "SETUP" key, you activated the SHIFT function)
3. Release the SETUP key.
4. Briefly press the desired mode key (TV, VCR, DVD, SAT, DSAT, CD, CBL, AUX).
5. Press several times in succession (up to 350 times) the "POWER" or "PROG" (channel upwards) or "PLAY" (only applies to VCR) key until the device to be controlled has been switched off or responds.
6. Briefly press the OK or ENTER key for storing the code.



In view of the extensive number of different code numbers, up to 350 different codes have already been pre-programmed per device type. It is possible that only the most common main functions will be available in individual cases. In case of some special device models, the procedure described may fail to be successful.
Code search starts with the 3-digit number stored at the moment.

Automatic code search

Should your device not respond to the remote control although you have tried all codes listed for your type of device and its brand, try the automatic search. This allows you to find even codes of brands that are not stated in the device code list.

1. Switch on the device (TV, VCR, etc.) manually which you want to operate.
2. Keep the SETUP key pressed for approx. 3 seconds until the backlight illumination of the MODE keys flashes shortly and then lights up steadily. (By briefly pressing the "SETUP" key, you activated the SHIFT function)
3. Release the SETUP key.
4. Briefly press the desired mode key TV, VCR, DVD, CD, SAT, AUX.
5. Point the remote control at the device and press the CHAN+ key once briefly.

If the device does not possess a channel function, then press the PLAY or POWER key instead of CHAN+.

After 6 seconds, the remote control will start the code search and successively send all codes at one second intervals (also see the next section). When sending, the MODE key will light up each time.

6. As soon as the device does respond to the remote control, press the OK key. – Should you fail to press the OK key in time, you can step by step return to the code to which the device has responded using the CHAN- key.

1-second or 3-second intervals

If you want the remote control only to send a new code every 3 seconds instead of every second, proceed as follows:

After you have pressed the CHAN+ (or PLAY or POWER) key as described in section 5, press the CHAN+ key (search forwards) or CHAN- (search backwards) another time within 6 seconds. Now, the remote control will send new codes only at intervals of 3 seconds. This will give you more time, but the procedure will also take longer.

Code search by brand

This function provides you with the possibility of searching by brands. You will find the brands in the code table under "Code search by brands".

Proceed as follows:

1. Switch on the respective device manually.
2. Keep the SETUP key pressed for approx. 3 seconds until the backlight illumination of the MODE keys flashes shortly and then lights up steadily. (By briefly pressing the "SETUP" key, you activated the SHIFT function)
3. Release the SETUP key.
4. Briefly press the desired MODE key (TV, VCR, DVD, SAT, DSAT, CD, CBL, AUX).
5. Enter the applicable one-digit code from the table below:
key 1 = Medion, Tchibo
key 2 = Philips, Radiola, Philco, Erres, Pye
key 3 = Sony, Akai, Panasonic, JVC, Sharp, Toshiba, Daewo
key 4 = Thomson, Brandt, Fergusson
key 5 = Saba, Nordmende, Telefunken
key 6 = Grundig, Blaupunkt
key 0 = all brands.
6. Press the CHAN+ key (or, in case of video cassette recorders, POWER or PLAY) until the device responds correctly. Proceed swiftly when doing this, otherwise the automatic code search will be started.
7. Store the code by pressing the "OK" key.

If all codes have been searched, the MODE key will blink for about 3 seconds.

Code identification

The code identification allows you to identify codes that you have already entered and that are memorised in the remote control. Proceed as follows:

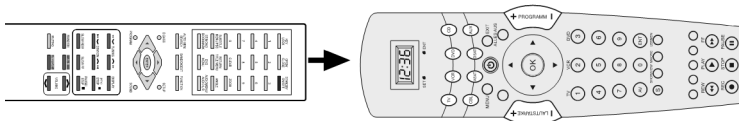
1. Keep the SETUP key pressed for approx. 3 seconds until the backlight illumination of the MODE keys flashes shortly and then lights up steadily. (By briefly pressing the "SETUP" key, you activated the SHIFT function)
2. Release the SETUP key.
3. Briefly press the key for the desired mode (TV, VCR, SAT). Each time you press a key, the MODE key illumination will briefly go out.
4. Briefly press the SETUP key. Each time you press a key, the MODE key illumination will briefly go out.
5. To find the first numeral, press the numerical keys from 0 to 9. When the MODE key illumination goes briefly out, this is the memorised numeral. To determine the second and the third number, repeat the procedure.
6. The MODE key will go out as soon as the key for the third number has been pressed.
7. The code identification has now been completed.

LEARN FUNCTION

The universal remote control provides you with the possibility of manually storing certain special functions which have not been stored, or even devices which have not been included in the code list. To do this, the original remote control of your device is required in any case. However, please note the following tips beforehand in order to avoid any mistakes.

- Use new batteries for both remote controls.
- You can assign one remote control to each of the MODE keys.
- Place the remote controls with the infrared diodes on a table so that they point each other at a distance between 15 and 50 mm.

15 - 50 mm



- You can store up to 150 commands. When the memory is full, the backlight illumination of the MODE key will be flashing for 3 seconds.
- Each programming of a key can take approx. 3 seconds.
- If you want to programme an additional function to an existing code, verify in advance which key has not yet been allocated and is still free for programming.
- The following keys cannot be programmed with functions: LEARN, SETUP, ALL OFF, MACRO, SHOWVIEW and all MODE keys.
- First have a try by programming any desired code and testing it then. Thereafter, delete all codes and proceed with the proper programming.



Do not use the learn function beneath an energy saving lamp.

Programming functions

Programming is carried out as follows:

1. Keep the SETUP key pressed for approx. 3 seconds until the backlight illumination of the MODE keys flashes shortly and then lights up steadily. (By briefly pressing the "SETUP" key, you activated the SHIFT function)
2. Release the SETUP key.
3. Briefly press the desired MODE key (TV, VCR, DVD, SAT, DSAT, CD, CBL, AUX).
4. Press the LEARN key.
5. Now press the key on the universal remote control with which the respective function is to be programmed (the MODE key will permanently light up).
6. Hold the key of your original remote control now down until the MODE key of the universal remote control will go out once (each false programming will be indicated by blinking of the key).
7. Repeat steps 5 to 6 until all desired functions are stored.
8. Press the SETUP key to end the programming.

Deleting functions

To delete all codes referring to a device selection key, proceed as follows:

1. Keep the SETUP key pressed for approx. 3 seconds until the backlight illumination of the MODE keys flashes shortly and then lights up steadily. (By briefly pressing the "SETUP" key, you activated the SHIFT function)
2. Release the SETUP key.
3. Briefly press the desired MODE key (TV, VCR, DVD, CD, SAT, AUX).
4. Press the LEARN key twice.
5. Press the SETUP key.

All codes referring to the respective device selection key which had been programmed by the LEARN function have now been deleted.

To delete all codes proceed as follows:

1. Keep the SETUP key pressed for approx. 3 seconds until the backlight illumination of the MODE keys flashes shortly and then lights up steadily. (By briefly pressing the "SETUP" key, you activated the SHIFT function)
2. Release the SETUP key.
3. Press the LEARN key twice.
4. Press the SETUP key.

All codes which had been programmed by the LEARN function have now been deleted.

Normal operation

After having programmed your remote control for your audio/video devices, your remote control will in respect of the most common main functions work like the original remote control of the respective device.

Point your remote control at the respective device and press the appropriate MODE key. All functions will now be activated by pressing the respective function key of your remote control.

The LED lights up during the transmission of the signal and acknowledges the process.

PROGRAMMING MACROS

A macro allows you to save a sequence of commands, i.e. to have several functions automatically executed one after another. You can assign and save sequences of up to ten key commands to the three numerical keys 1, 2 and 3. One macro may involve different devices.

1. Switch the device(s) on.
2. Keep the SETUP key pressed for approx. 3 seconds until the backlight illumination of the MODE keys flashes shortly and then lights up steadily. (By briefly pressing the "SETUP" key, you will instead activate the SHIFT function.)
3. Press the MACRO key.
4. Press the numeral where you want to save the macro, i.e. "1", "2" or "3".
5. Press one mode key (device selection, e.g. VCR) for the device you want to start with (first key command).
6. Now command the functions that you want to memorise as a macro in the desired order. There are still nine key commands left you can execute. Each time you press a key, the MODE key illumination will briefly go out.
7. To save the macro, press the MACRO key (after the 10th time you have pressed a key, the macro will be memorised automatically). The MODE key illumination will now go out permanently.

Inserting a delay

It may make sense to insert a delay before a command is executed, e.g. to consider that a TV set may need some time to warm up.

1. While you are entering the steps (see section 6 above), press the PAUSE key at that point of the sequence where you want to insert the delay.
2. Touch one number key that corresponds to the desired delay in seconds (e.g. "4" for a delay of 4 seconds). The maximum delay is 9 seconds.

Executing a macro

1. To execute a macro, shortly press the MACRO key during normal operation.
2. Then, press within 20 seconds the numerical key to which you have assigned the macro ("1", "2" or "3").

Deleting macros

1. Keep the SETUP key pressed for approx. 3 seconds until the backlight illumination of the MODE keys flashes shortly and then lights up steadily. (By briefly pressing the "SETUP" key, you activated the SHIFT function)
2. Release the SETUP key.
3. Press the MACRO key. The MODE key illumination will now go out briefly.
4. Then press the numerical key ("1", "2" or "3") to which you have assigned the macro you want to delete.
5. Keep the SETUP key pressed until the MODE key illumination goes out. Now, the macro is deleted.

SPECIAL FUNCTIONS

ALL OFF function

You can switch off all pre-programmed devices simultaneously. Proceed as follows:

1. Briefly press the ALL OFF key. The selected device will be switched off and the relative MODE key will light up.
2. Press the ALL OFF key immediately once again and keep it pressed for approx. 3 seconds. Now, all pre-programmed devices are switched off one after another. This will take about 3 seconds. Then, the MODE key illumination will go out.

The remote control has to be pointed at the devices to be operated until the MODE key goes out.

Some devices can be switched on and off by means of the POWER key. Such switched off devices will be switched on after completion of the ALL OFF function.

Autozapping

In case of TV operation, you will successively go through all stored channels by once pressing the SHOWVIEW key (to that end, the remote control has to be pointed permanently at the device). Press the CHAN key once to finish the function.

Universal functions ("Punch Through")

The universal functions (also called "Punch Through" functions) allow you to perform certain functions on another type of device than the selected one. Example:

- while the remote control is in VCR, DVD, SAT or CBL mode, the **VOLUME** and **MUTE** keys control the TV set;

- while the remote control is in TV mode, the keys **PLAY**, **STOP**, **PAUSE**, **FAST FWD/BWD**, **SKIP** and, if applicable, **RECORD** will control a connected player or recorder.

Switching off the universal functions VOLUME/MUTE

You can perform the functions **VOLUME** and **MUTE** from any mode. Accordingly, you can operate e.g. even the volume control of satellite receivers or cable set top boxes when in TV mode.

You can switch these universal functions off altogether (to avoid that you e.g. unintentionally change the volume on some device):

1. Press the TV key.
2. Keep the **SETUP** key pressed for approx. 3 seconds until the backlight illumination of the **MODE** keys flashes shortly and then lights up steadily. (By briefly pressing the "SETUP" key, you activated the **SHIFT** function)
3. Release the **SETUP** key.
4. Keep the **MUTE** key pressed for approx. 8 seconds until the **MODE** key flashes a second time.

SHIFT function

Some keys of the universal remote control can be allocated twice. To use these functions, briefly press the "SETUP" key (**MODE** key lights up) and subsequently one of the function or numerical keys.

If **SETUP** is pressed shortly but no further key is pressed within 15-20 seconds, the **SHIFT** function will not come into effect.

TROUBLESHOOTING

The remote control does not work

- Check whether your devices are correctly connected and switched on.
- Check whether the batteries of the remote control are correctly inserted and whether the polarity + / - matches with the marks.
- If the batteries are too low, replace them by new ones.

Several device codes are listed under the brand of my device. How can I determine the right device code?

- To determine the right device code for your device, try the codes successively until most of the functions of the device are working properly.

The devices only respond to a few instructions of the remote control.

- Test further codes until the devices respond appropriately to the commands.
- If in some exceptional cases neither a manual code entry nor the automatic code search are successful, your device may be incompatible with your universal remote control.