

# ***Integrated Remote Commander***

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Operating Instructions

***RM-VL610T***



**Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)**

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.



**Disposal of waste batteries (applicable in the European Union and other European countries with separate collection systems)**

This symbol on the battery or on the packaging indicates that the battery provided with this product shall not be treated as household waste. By ensuring these batteries are disposed of correctly, you will help prevent potentially negative consequences for the environment and human health which could otherwise be caused by inappropriate waste handling of the battery. The recycling of the materials will help to conserve natural resources.

In case of products that for safety, performance or data integrity reasons require a permanent connection with an incorporated battery, this battery should be replaced by qualified service staff only.

To ensure that the battery will be treated properly, hand over the product at end-of-life to the applicable collection point for the recycling of electrical and electronic equipment.

For all other batteries, please view the section on how to remove the battery from the product safely. Hand the battery over to the applicable collection point for the recycling of waste batteries.

For more detailed information about recycling of this product or battery, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

## Features

The RM-VL610T Remote Commander provides centralised control of all your AV components from a single remote commander and saves the trouble of operating different AV components with different remote control devices. The following are its main features.

***Centralised control of Sony AV components with this one remote commander***

This Commander is preset at the factory to operate Sony brand components, so you can use it out of the box as a control centre for your Sony AV components.

***Remote control signals for non-Sony components are also preset***

This Commander is preset for most major brands components as well as Sony. You can remote control your non-Sony components by setting the type and code number of each component (page 8).

***Learning function for programming various other remote control signals***

This Commander has a Learning function, to “learn” the remote control signals needed to operate other non-preset components or functions. (To “teach” such signals to this Commander, use the remote control supplied with the non-preset components.) (page 12)

In addition, the Commander can “learn” remote control signals (infrared signals only) of non-Audio Visual components such as air-conditioners, lights, etc. (Some specific appliances or functions may not be available.) (page 18)

***Reassigning new components***

You can assign Component Select buttons to freely operate other components. This is useful when you have more than two of the same kind of AV component (only if a Component Select button is free.) (page 24)

You can only assign TVs to the TV Component Select button.

You can only assign an amplifier to the AMP Component Select button.

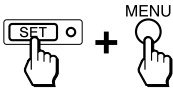
# Startup Guide

This guide shows you how to set the Remote Commander to operate your components. First, find the four-digit component code number for your component, referring to the supplied "Component code numbers."

## If you have the code number

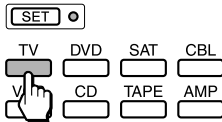
**Example:** To set up a TV of the code number "8011"

### 1 Set the Remote Commander for code input mode.

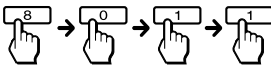


Press SET and MENU.

### 2 Press the desired Component Select button.



### 3 Enter the code number.



### 4 Finish setting.



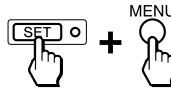
Press ENT.

For more details, see page 8.

## If you cannot find the code number

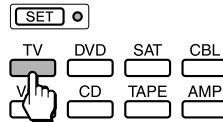
You can search for the component code available for your component.

### 1 Set the Remote Commander for code input mode.

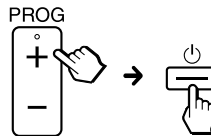



Press SET and MENU.

### 2 Press the desired Component Select button.



### 3 Transmit code number signals in turn.



Press PROG + or PROG -, and then . Repeat until your component reacts.

### 4 Finish setting.



Press ENT.

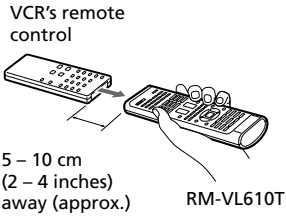
For more details, see page 10.

## Learning function

If your component does not work as supposed even if the code number is set, make the RM-VL610T "learn" the functions of your component's remote control.

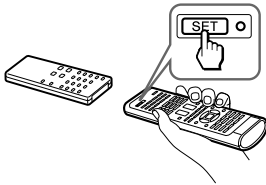
**Example:** To "teach" the ▷ (play) signal of your video cassette recorder to the VCR ▷ button of the RM-VL610T

- 1** Place the RM-VL610T head to head with your VCR's remote control.

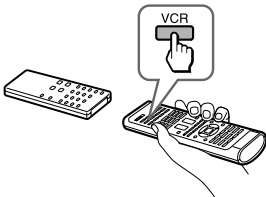


- 2** Set the RM-VL610T for "learning" mode.

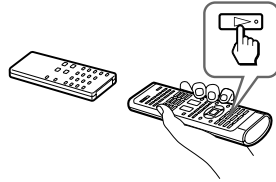
Press and hold SET for at least 3 seconds until the SET indicator flashes.



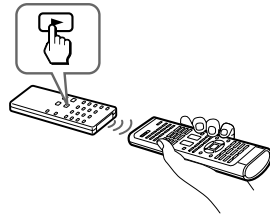
- 3** Press the desired Component Select button.



- 4** Press the button you want to "teach."

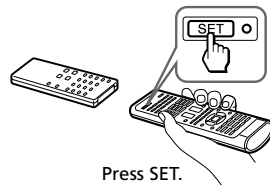


- 5** Press and hold the ▷ (play) button of your VCR's remote control until the VCR button of the RM-VL610T lights up.



- 6** Repeat Steps 4 and 5 to "teach" other functions.

- 7** Finish setting.



For more details, see page 12.

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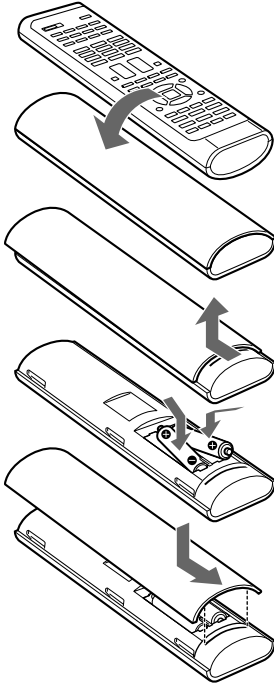
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## Installing the Batteries

Slide open the battery compartment lid and insert two R6 (size AA) batteries. Be sure to match up the + and – indications on the batteries with the + and – indications on the battery compartment.



Insert the batteries (negative end first) through the guide clamp within each compartment as shown above.

## When to replace the batteries

### Batteries for remote control operation (two R6 (size AA) batteries)

Under normal conditions, the batteries will last up to 1 year. If the Commander does not operate properly, the batteries might be drained. When this happens, replace the batteries with new ones.

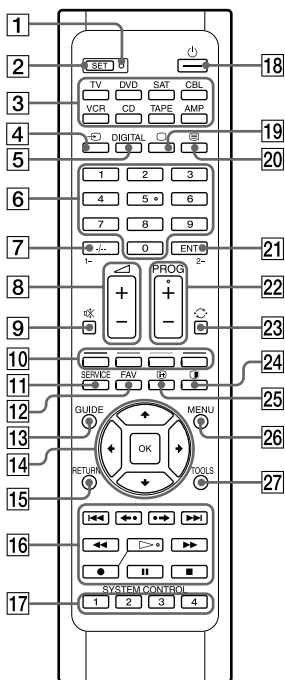
#### Note

Do not take more than one hour to replace the batteries. Otherwise, your code number settings (page 8) and “learned” remote control signals (page 12) will be erased.

#### Notes on batteries

- Do not use an old battery with a new one, or mix different types of batteries together.
- If the electrolyte inside the battery should leak, wipe the contaminated area of the battery compartment with a cloth and replace the old batteries with new ones. To prevent electrolyte from leaking, remove the batteries if you plan not to use the Commander for a long period of time.
- The supplied manganese batteries are for testing purposes.

# Location of Controls



- 1 SET indicator
- 2 SET button
- 3 Component Select buttons  
Light or flash during operation.
- 4 (input select) button
- 5 DIGITAL button
- 6 Number buttons
- 7 -/- button
- 8 (volume) +/- buttons\*
- 9 (muting) button\*
- 10 Fasttext button
- 11 SERVICE button
- 12 FAVORITE button
- 13 GUIDE button
- 14 Cursor Control buttons
- 15 RETURN button
- 16 Player Control buttons
- 17 SYSTEM CONTROL buttons
- 18 (power) button
- 19 (TV ON) button
- 20 (Teletext) button
- 21 ENT (enter) button
- 22 PROG (PROGRAM) +/- buttons
- 23 (recall) button
- 24 (PAP) button
- 25 (Display) button
- 26 MENU button
- 27 TOOLS button

## About tactile dots

The number 5 button, the button and PROG + button each have a tactile dot for ease of use.

## \* Note on the and buttons

The Commander controls or mutes the TV's volume when you select a visual component. The Commander controls or mutes the amplifier's volume when you select an audio component. You can change this setting (page 19).

## Note

The function of the control buttons varies depending on settings/operating modes.

The "Table of Preset Functions" (page 30) shows how the Commander generally operates for each component in the factory preset mode.

# Setting the Code for non-Sony Preset Audio and Visual Components

## — Setting component codes

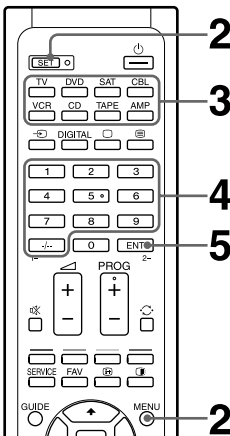
The Commander is preset at the factory to operate Sony brand AV components (see the table below). If you are using the Commander with a factory-set Sony components, skip the following procedures. You can use the Commander with other major brand preset AV components also. To use with other AV components, or Sony components which do not function with the Commander, you need to follow the procedures to set the correct codes for each component.

Component Select button	Preset component(s)	Factory setting
TV	TV/VCR Combo	Sony TV
DVD	DVD player	Sony DVD player
SAT	Satellite tuner	Sony satellite tuner
CBL	Cable box	Analogue cable box
VCR	VCR	Sony VHS VCR
CD	CD player	Sony CD player
TAPE	Cassette deck	Sony cassette deck
AMP	Amplifier	Sony amplifier

**Note**

An MD player can be set to any of the above Component Select buttons. You can assign Component Select buttons to freely set signals of your desired components. For further information, see "Assigning Other Components to the Component Select Buttons" (page 24). For the functions of buttons as for each component, see "Table of Preset Functions" (page 30).

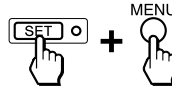
### Setting a component code



### Example: To set up a Philips' TV

- 1 See the tables in the supplied "Component code numbers," and find the four-digit component code number for the desired component.  
If more than one code number is listed, use the number that is listed first.  
For example, to set up a Philips' TV, you would use the code number 8086.

- 2 Press and while holding SET, press MENU.



The SET indicator lights up.



- 3 Press the DVD Component Select button for the desired component.



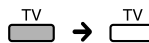
The SET indicator and the selected Component Select button light up.



- 4 Press the Number buttons to enter the four-digit component code number.

- 5 Press ENT.

The SET indicator and the Component Select button light turn off.



If the Component Select button flashes five times before turning off, it means that the setup is incomplete. Start over from Step 2.



## Notes

- If you press a component code number that is not on the table in the supplied "Component code numbers," or if you press a button in the wrong order, the Component Select button flashes five times, and then turns off. Check the component code number, and try setting it again.
- If you do not input anything into the Commander within 20 seconds between each step, the setup procedure will be cancelled. To set the code, start over from Step 2.
- If you press SET while setting the component code, all code numbers will be lost, and the setup procedure will be cancelled. Start over from Step 2.

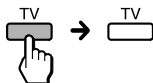
To cancel setup, press SET.


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## Checking if the code number works

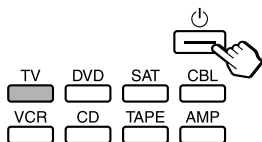
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- 1** Power on the component with its power switch.
- 2** Press the corresponding Component Select button for the component you have set up.  
The Component Select button lights up when you press it, and turns off when you release it.



- 3** Aim the Commander at the component and press .

The selected Component Select button lights up when you press a function button, and turns off when you release it.



The component should power off.

- 4** If you have succeeded, check that the Commander is operating the other functions of your component, such as programme and volume control.  
See page 11 for details.

## If the Commander does not seem to be working

Try repeating the setup procedure using the other codes listed for your component, or try setting the code number using the Search function (page 10).

## Note on the +/- and buttons

When you operate a visual component, the TV button lights up to indicate that the Commander is controlling or muting the TV's volume.



When you operate an audio component, the AMP button lights up to indicate that the Commander is controlling or muting the amplifier's volume.



It is recommended that you first set the TV and AMP codes before setting up any other components.

## Note on buttons that have already "learned" remote control signals

If another signal has already been programmed on a button using the Learning function (page 12), that "learned" signal will continue to work even after you set the component code number. To use it as a preset function button, you must first erase its "learned" signal (page 16).

# Setting a Component Code by the Search Function

You can find a code number available for a component that does not have one in the supplied "Component code numbers."

## Before starting the Search function

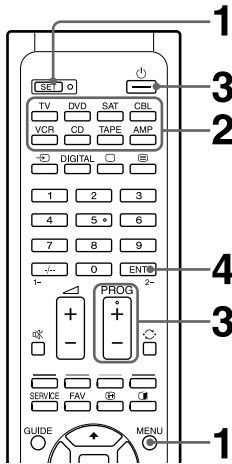
Set each component to the following status so that the Search function works effectively.

TV, AMP: Power-on

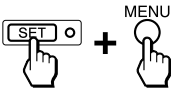
CD player, MD player\*, cassette deck: Power-on with a playback source (disc, cassette tape, etc.)

Other components: Power-off

\* If any of these components are assigned to any of the Component Select buttons (page 24), you can set a component code using the Search function.



**1** Press and while holding SET, press MENU.



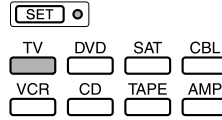
The SET indicator lights up.



**2** Press the Component Select button for the desired component.



The SET indicator and the selected Component Select button light up.

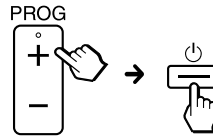


**3** Press PROG + or PROG -, and then in turn until the component reacts as described in the following.

TV, AMP: Powers off

VCR, CBL, SAT, DVD: Powers on

CD player, MD player, cassette deck: Plays back



Press PROG + to go to the next code number. Press PROG - to go back to the previous code number.

The Component Select button flashes three times after the numbers have turned one cycle.

One cycle means, for example, the four-digit code numbers beginning from "8" are cycled through.

**4** Press ENT.



The SET indicator and the Component button turn off.




If the Component Select button flashes five times before turning off, it means that the setup is incomplete. Start over from Step 1.

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**5** Check if the code number works by following the instructions on page 9.

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**Notes**

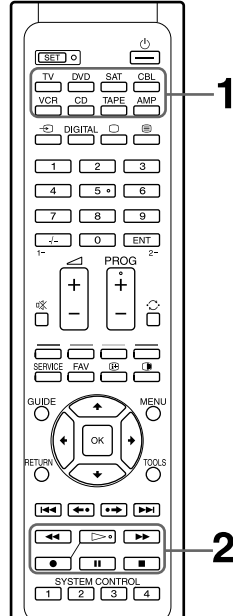
- If you do not input anything into the Commander within 20 seconds between each step, the setup procedure will be cancelled. To set the code, start over from the beginning.
- If you press any button other than PROG +/- and  while setting the component code, all code numbers will be lost, and the setup procedure will be cancelled. Start over from the beginning.

To cancel setup, press SET.

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## Operating Your Components with the Remote Commander

When you operate a non-Sony component, make sure you set the component code first (page 8).



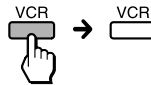
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**Example: To operate a video cassette recorder**

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**1** Press the desired Component Select button.

The Component Select button lights up when you press it, and turns off when you release it.



**2** Press any Player Control button.

See “Table of Preset Functions” (page 30) for the functions of buttons for each component.

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**Note**

The remote control signals may be different for some components or functions. In this case, programme the remote control signals with the Learning function (page 12). Note, however, that components and functions that do not support the remote control of infrared signals will not work with this Commander.

## To control the volume

Press  $\triangleleft$  +/- to control the volume. Press  $\times$  to mute the sound.

When you select a visual component, the TV's volume will be controlled (TV Component Select button lights up), and when you select an audio component, the amplifier's volume will be controlled (AMP Component Select button lights up). You can change this setting (page 19).

### Notes

- If you used the Learning function (page 12) to programme the  $\triangleleft$  +/- or  $\times$  button to send a signal to any other component, that signal will be transmitted instead of the volume or muting of the TV or amplifier when you select that component.
- If you used the Learning function (page 12) to programme the  $\triangleleft$  +/- or  $\times$  button for the TV or AMP buttons to send a signal to any other component, that signal will be transmitted only when you select TV or AMP. When you select another component, the preset volume control signals for TV or AMP will be transmitted.
- If you have assigned another component to the TV or AMP buttons (page 24), the volume of the TV or amplifier cannot be controlled even if you select another component.

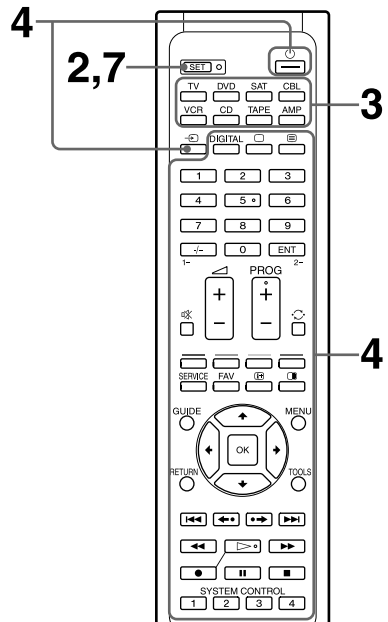
## Programming Signals of Another Remote Control — Learning Function

To operate components or functions which do not work even if you set a component code number, use the following Learning procedure to "teach" any of the programmable buttons of the Commander to operate the functions of another remote control.

You can also use the Learning function to change the signals of individual buttons after setting the component code number (page 8). It is recommended that you make a note of the "learned" key functions. (It is possible to make a note on the back of the supplied "Component code numbers.")

### Notes

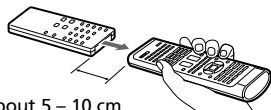
- Some specific remote control signals may not be "learned."
- You can also use a display monitor for computer display (including a built-in tuner type), if the Commander is "learned."



**Example: To programme the ▷ (Play) signal of your video cassette recorder to the VCR ▷ (Play) button of the Commander**

- 1 Place the RM-VL610T head to head with your component's remote control.

Remote control for your component



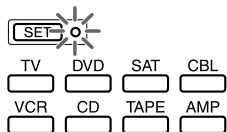
about 5 - 10 cm  
(2 - 4 inches) away

RM-VL610T

- 2 Press and hold SET for over 3 seconds.



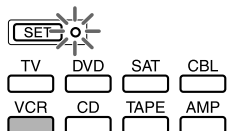
The SET indicator flashes.



- 3 Press the Component Select button for the component whose signals are to be "learned."



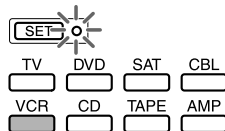
The SET indicator flashes and the selected Component Select button lights up.



- 4 Press the button on the Commander you want to "teach."



The SET indicator flashes and the selected Component Select button lights up. (Learning function standby)



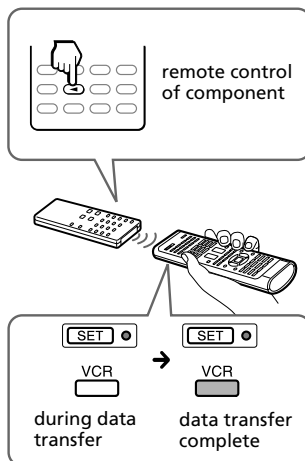
**If another signal has already been "learned" by that button**

The SET indicator flashes twice, and the Commander takes no action returning to its state after the Component Select button was pressed in Step 3. Either "teach" to another free button, or clear the already "learned" function (page 16) and start over from the beginning.

- 5 Press and hold the button on the other remote control, until both the SET indicator and the Component Select button light up again.

During data transfer, only the SET indicator stays lit, and the Component Select button turns off.

After data transfer is complete, the Commander returns to its state in Step 3.



### **If the SET indicator flashes five times**

It means that "learning" is incomplete. Repeat steps 4 and 5.

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## **6 Repeat Steps 4 and 5 to "teach" functions to other buttons.**

### **To "teach" another component's remote control signal**

After positioning the two remote commanders as in Step 1 on page 12, press the corresponding Component Select button, and then follow Steps 4 and 5 to perform Learning.

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## **7 Press SET to finish setting.**

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### **Notes**

- If you do not perform Learning steps within 20 seconds at any point during the process, Learning mode ends.
- If you do not perform Step 5 within 10 seconds after Step 4, the learning procedure returns to Step 3. Repeat Step 4 while the Component Select button lights.

To cancel setup, press SET.

### **If the Commander does not seem to be working**

If the "learned" button does not operate properly, "teach" once again. (For example, if the volume becomes very loud after pressing  $\triangleleft$  + only once, noise may have interfered during the Learning procedure.)

### **If you set a component code after "learning" a signal**

If you have programmed any signal on a button by the Learning function, that signal will work even after you set a component code.

### **Note on the REC ● signal**

You can only "teach" to one button at a time. Therefore you cannot teach a sequential button operation (for example REC ● +  $\triangleright$ ) to a single button on the Commander. In this case, "teach" the combined function of the buttons on your component to the Commander.

### **When you "teach" signals to $\triangleleft$ +/- or $\otimes$**

- If you used the Learning function to programme the  $\triangleleft$  +/- or  $\otimes$  buttons to send any signal to components other than the TV or AMP, that signal will be transmitted only by pressing  $\triangleleft$  +/- or  $\otimes$  when you select that component.
- If you used the Learning function to programme the  $\triangleleft$  +/- or  $\otimes$  buttons to send any signal to the TV or AMP, that signal will be transmitted only after you select TV or AMP. When you select other components, the "learned" signal will be transmitted.

### **To "teach" the signals for an air-conditioner**

See "Notes on programming the signals for an air-conditioner" on page 18.

---

## **For accurate Learning**

- Do not move the remote units during the Learning procedure.
- Be sure to keep holding down the "learning" button until your Commander reacts as described.
- Use fresh batteries in both remote units.
- Avoid Learning in places subject to direct sunlight or a strong fluorescent light. (Noise may interfere during the Learning procedure.)
- The remote control detector area may differ depending on each remote unit. If Learning does not work, try changing the positions of the two remote control units.
- When you teach signals of an interactive signal exchange system remote control unit (supplied with some of Sony's amplifiers) to the Commander, the response signal of the main unit may interfere with the learning of the Commander. In such a case, move to a place where the signals will not reach the main unit (e.g. other rooms, etc.).

### **IMPORTANT**

Be sure to place the Commander out of the reach of small children or pets, and lock the controls using the Hold function (page 25). Components such as air - conditioners, heaters, electric appliances, and electric shutters or curtains receiving an infrared signal can be dangerous if misused.

## Programming remote control signals to the Component Select buttons and System Control buttons

You can “teach” one operating procedure to a Component Select button and System Control buttons, so that when you press the Component Select button and System Control buttons, the operation is also automatically done. For example, if it is necessary to switch the input selection of an amplifier to DVD when you use a DVD player, “teach” an input select signal to the DVD button. After “learning,” the input selection of an amplifier is automatically switched to DVD just by pressing DVD. (For this operation, the amplifier should first be turned on.)

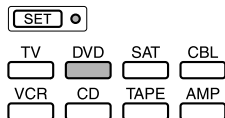
### Example: To “teach” the DVD input remote control signal of your amplifier to the DVD Component Select button of the Commander

- 1 Follow Steps 1 to 2 (page 12).
- 2 Press and hold the Component Select button for the component whose signals are to be “learned” for over 3 seconds.



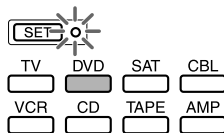
To teach signals to the SYSTEM CONTROL buttons, press and hold the desired SYSTEM CONTROL button for over 3 seconds.

Both the SET indicator and the selected Component Select button light up.



When you “teach” signals to the SYSTEM CONTROL buttons, only the SET indicator lights up.

When the SET indicator lights up, you can release the Component Select button. The SET indicator flashes and the selected Component Select button lights up (Learning function standby).



When you “teach” signals to the SYSTEM CONTROL buttons, you can release the SYSTEM CONTROL button when the SET indicator lights up. The SET indicator lights up, but the SYSTEM CONTROL button does not light up.

### ***If another signal has already been “learned” by that button***

The SET indicator flashes twice, and the Commander takes no action, returning to its state after SET was pressed and held in Step 2. Either “teach” to another free button, or clear the already “learned” function (page 16) and start over from the beginning.

- 3 Press and hold the button on the other remote control, until the SET indicator lights and all the Component Select buttons flash again.

During data transfer, only the SET indicator stays lit, and the Component Select button turns off.

### ***If the SET indicator flashes five times***

It means that “learning” is incomplete. Repeat Steps 2 and 3.

- 4 Repeat Steps 2 and 3 to “teach” remote control signals to other buttons.
- 5 Press SET to finish “learning.”

### **Notes**

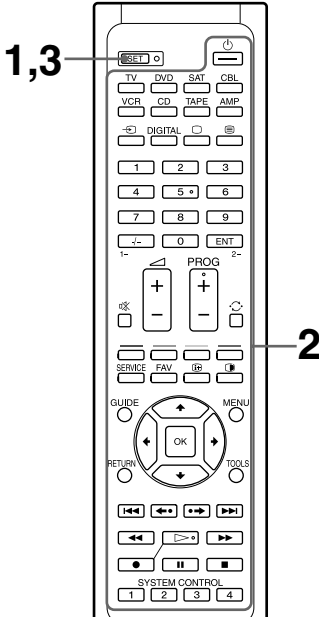
- If you do not perform Learning steps within 20 seconds at any point during the process, Learning mode ends.
- If you do not perform Step 3 within 10 seconds after Step 2, the Learning procedure returns to Step 1. Repeat from Step 2 while the Component Select button is lit.

To cancel “learning,” press SET.

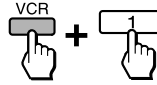
## Changing or erasing the function of a “learned” button

To change the “learned” function, clear it first and perform Learning again.

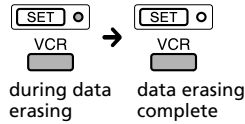
### To clear the “learned” function of a single button



- 2 While holding the desired Component Select button pressed, press the button you want to erase.



When erasing of the “learned” function is completed, the selected Component Select button light turns off.



#### Note

Be sure to press the button you want to erase while pressing the Component Select button. If you release the Component Select button, the Commander changes to Learning mode.

- 3 Press SET to finish setting.

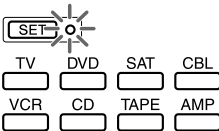
To cancel erasing, press SET.

### Example: To erase the “learned” function from the Number button 1 in VCR mode

- 1 Press and hold SET for over 3 seconds.



The SET indicator flashes.

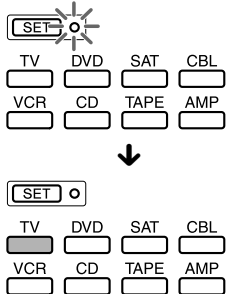




**To erase the learned function of the Component Select button and System Control buttons**

**Example: To erase the function "learned" by the TV button**

- 1 While holding SET pressed, press and hold the TV Component Select button for over 3 seconds.

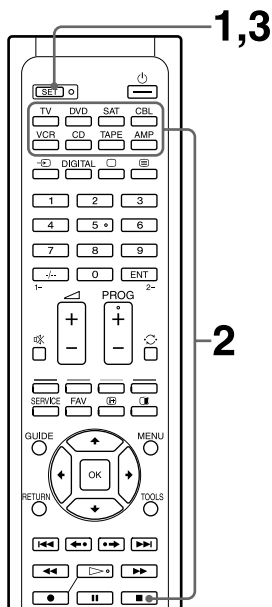


When erasing of a "learned" function is completed, the SET indicator light turns off.

**To erase the learned function of a SYSTEM CONTROL button**

While holding SET pressed, press and hold the desired SYSTEM CONTROL button for over 3 seconds.

**To clear all function signals "learned" for a specific Component Select button**

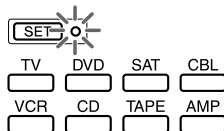


**Example: To erase all functions "learned" by the VCR button**

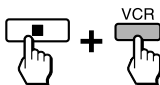
- 1 Press and hold SET for over 3 seconds.



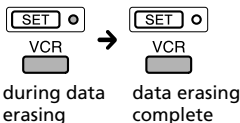
The SET indicator flashes.



- 2 While holding ■ pressed, press the Component Select button you want to erase.



When erasing of a "learned" function has completed, all the other Component Select button lights turn off.



during data erasing      data erasing complete

**Notes**

- With this operation, you can only erase the "learned" functions of all buttons for a specific component.
- To erase a single "learned" function of a Component Select button, see page 16.

- 3 Press SET to finish setting.

To cancel erasing, press SET.

---

## Notes on programming the signals for an air-conditioner

### About seasonal adjustments

If you change the settings of the air-conditioner for the season, you have to programme the remote control signals of the new settings on the Commander.

### If the power-on/off operation does not work correctly

If the Commander can only operate "ON" with one button and "OFF" with another, while your air-conditioner's remote control can operate "ON/OFF" with a single button, programme the signal on two buttons of the Commander as follows.

- 1 Clear the "learned" power-on/off signal on the programmed button of the Commander.
- 2 Reprogramme only the power-on signal of the air-conditioner on the button of the Commander by following the steps of "Programming Signals of Another Remote Control- Learning Function" (page 12).
- 3 Programme the power-off signal of the air-conditioner on another button of the Commander.

The two buttons of the Commander have been programmed with the power-on signal and the power-off signal of the air-conditioner respectively, so that you can operate the air-conditioner with the Commander.

# Controlling the Volume of Visual Components Connected to an Audio System

The Commander is factory preset based on the assumption that you hear the sound of your visual components from your TV speakers, and that you hear sound of your audio components from the loudspeakers connected to your amplifier.

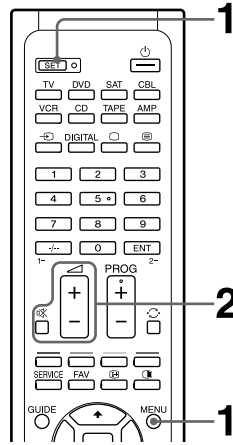
For example, to control the volume while using a VCR, you do not need to press the TV button to control the TV volume.

The following table shows the factory setting of which volume would be controlled for each component.

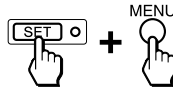
Component Select button	Controls the volume of
TV	TV
VCR	TV
CBL	TV
DVD	TV
SAT	TV
AMP	amplifier
CD	amplifier
TAPE	amplifier

However, if your visual components are connected to an audio system, you may want to hear TV or VCR sound from the loudspeakers via your amplifier, not from your TV speakers. In this case, you need to change the factory preset so that you can control the volume of your visual components without first having to switch to the amplifier.

## To change the Factory Preset of the Volume Control



**1** Press and while holding SET, press MENU.



The SET indicator lights up.



**2** While holding  $\text{⏏}$  pressed, press  $\triangleleft$  + or  $\triangleleft$  -.

### To set all volume controls to AMP

Press  $\triangleleft$  + while holding  $\text{⏏}$  pressed. All Component Select buttons light up when you press these buttons, and then turn off when you release them.

Press and while holding  $\triangleleft$  +, press  $\text{⏏}$ .



Volume control setting complete.



## To set only the audio components' volume controls to AMP

Press  $\triangleleft$  - while holding  $\text{OK}$  pressed.

Only AMP lights up when you press these buttons, and then turns off when you release them.

Press and while holding  $\triangleleft$  -, press  $\text{OK}$ .



Volume control setting complete.



Visual components are:

TV, video cassette recorder, analogue cable box, satellite tuner, DVD player

Audio components are:

CD player, MD player, cassette deck, amplifier

To cancel setting, press SET.

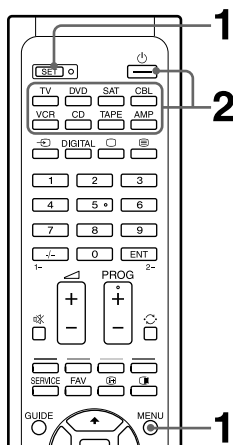
### Note

If you used the Learning function to programme the  $\triangleleft$  +/ - or  $\text{OK}$  buttons to send a signal to a component, the procedure above will not change the function of the  $\triangleleft$  +/ - and  $\text{OK}$  buttons.

## Adding an Extra Function to the Component Select Buttons

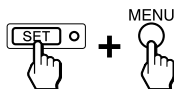
### Programming the Power-On command of the selected component just by pressing that Component Select button (for Sony components only)

When a code number of a Sony component is set to a Component Select button, the Power-On signal is automatically programmed to the button. You can select the desired component and power it on by just pressing that Component Select button.



### Example: To clear the Power-on command

- 1 Press and while holding SET, press MENU.



The SET indicator lights up.



- 2 While holding  $\text{Power-On}$  pressed, press the desired Component Select button.

While the  $\text{Power-On}$  button is pressed, the Component Select buttons that Sony components are set to flash in the following order.

TV  $\rightarrow$  DVD  $\rightarrow$  SAT  $\rightarrow$  CBL  $\rightarrow$  VCR  $\rightarrow$  CD  $\rightarrow$  TAPE  $\rightarrow$  AMP  
The Component Select buttons that Sony components are not set to do not flash.

To cancel the setting, press SET.

### To programme the Power-On command

Repeat the same procedure, pressing the desired Component Select button.

#### Notes

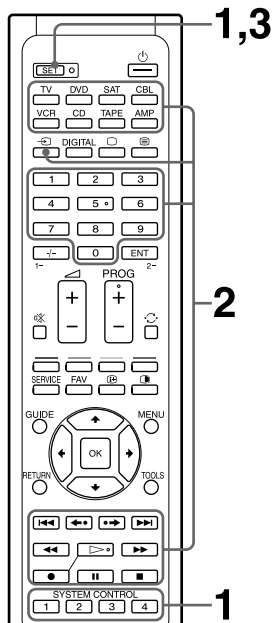
- If the component code of a non-Sony brand has been set on a Component Select button, you cannot programme the Power-On function on it. If you change the component code (page 8) after setting the Power-On function, the Power-On function is cleared. (The Component Select button flashes twice to indicate that you cannot set this function.)
- Even if you used the Learning function (page 12) to programme a signal on a Component Select button, you can programme the Power-On function on that button but it cannot be used. If you clear the "learned" function on that button, you can use the Power-On function.

## Executing a Series of Commands — System Control Functions

With the System Control function, you can programme a series of operating commands, and execute them by pressing just one button. You can programme up to 16 consecutive operation steps to each of the SYSTEM CONTROL buttons (1 – 4). If you have set the System Control function for a Component Select button (page 23), the execution of the programmed commands begins when you press the Component Select button for more than 2 seconds. When executing the programmed commands, each remote commander signal is transmitted.

### Example: To watch a video, you can set a series of operations as follows:

- Power on the TV.
- ↓
- Power on the video (VCR).
- ↓
- Power on the amplifier.
- ↓
- Set the input selector of the amplifier to VIDEO 1.
- ↓
- Set the input mode of the TV to VIDEO 1.
- ↓
- Start video playback.



### Example: To programme the procedure above to the SYSTEM CONTROL 2 button

- 1 Press and while holding SET, press the SYSTEM CONTROL 2 button.

The SET indicator light turns on.

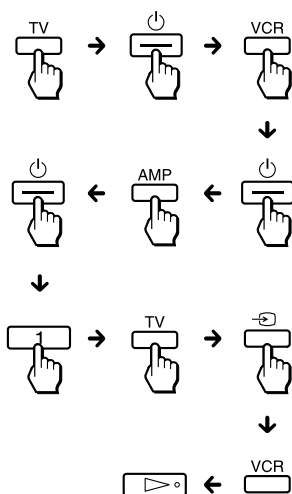


If a System Control function (System Control Macro) has already been set on the button, the SET indicator flashes twice.

The setting procedure is automatically cancelled.

- 2 Set the System Control function.

With this example, press buttons in sequence as below:



You can programme up to 16 consecutive steps on each of the SYSTEM CONTROL buttons (1 – 4), including the initial step of pressing switch to a Component Select button.

- 3 Press SET to complete the programming. The SYSTEM CONTROL light turns off.

### To programme a new series of operations for those buttons which already have a Control Programme set

Erase the programme (page 22).

#### Notes

- If you interrupt the procedure at any point for over 20 seconds, the setting mode ends and the series of commands will be programmed up to that point. In this case, clear the programme (page 22) and start again from Step 1 to set the entire programme from the beginning. You cannot continue programming once the setting mode ends.
- If a SYSTEM CONTROL button has already “learned” a remote control signal (page 12), you can programme a System Control function (System Control Macro), but the function will not work until you clear the Learning function. To clear the Learning function, see “Changing or erasing the function of a “learned” button” on page 16.
- If you change the component code number (page 8) or programme a new signal by using the Learning function (page 12) on a key or a button that has been programmed with a series of commands using the System Control function, the new signal will be transmitted when you press the corresponding SYSTEM CONTROL button.
- While in setting mode, you cannot clear any operation step you have programmed. If you have programmed an incorrect operation by mistake, start again from Step 1.
- If you try to programme more than 16 steps, the System Control setting mode ends, and the 16 steps you have programmed are registered. If you want to programme the steps again, clear the programme (page 22) and start again from Step 1.

#### Tips for programming the System Control functions

The following information helps you to programme a consecutive operation steps.

#### About the order of operation steps

Some of the components may not accept consecutive remote control signals. For example, some TVs generally may not respond to the next signal right after the Power-on signal. So, a series of commands such as TV Power-on and input select may not work properly.

In this case, insert other signals to other components, such as in the example below:

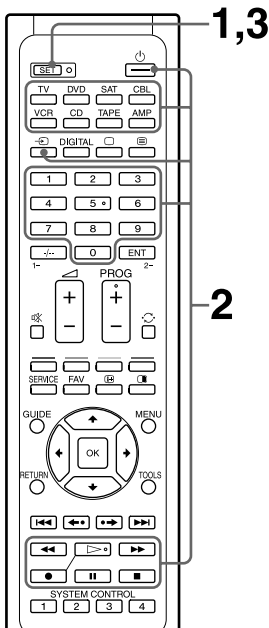
TV Power-on → VCR Power-on → VCR playback → TV input select

### To clear programmed commands

- 1 Press and while holding SET, press and hold for more than 3 seconds the SYSTEM CONTROL button you want to clear.

# Programming a Series of Commands on the Component Select Buttons

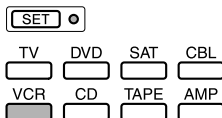
As with the SYSTEM CONTROL buttons, you can also programme a series of operating commands for the Component Select buttons (up to 16 steps). To execute the commands programmed on a Component Select button by the System Control function, press the button for more than 2 seconds.



## Example: To programme the procedure on page 21 for the VCR Component Select button

- 1 Press and while holding SET, press the VCR Component Select button.

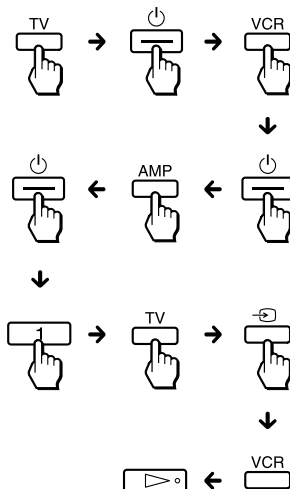
The SET indicator and the VCR Component Select button lights turn on.



If a Control Programme function (Component Macro) has already been set on the button, the button flashes twice. The setting procedure is automatically cancelled.

- 2 Set the Control Programme function.

With this example, press the buttons in sequence as below:



### Notes

- When you press the button for less than 2 seconds, it works as a normal Component Select button, and the programmed function does not work.
- See also "Tips for programming the System Control functions" on page 22.

You can programme up to 16 consecutive steps on each of the Component Select buttons, including the first step of pressing to select a Component Select button.

- 3 Press SET to complete the programming. The VCR Component Select button light turns off.

---


## To clear programmed commands

---

- 1 Press and while holding SET, press and hold for more than 3 seconds the Component Select button you want to clear.

---

### Notes

- You can programme a Control Programme function (Component Macro) for a Component Select button on which the Power-On function (page 20) has been programmed. In this case, the Power-On function is executed when you press the Component Select button, or when you select another component while the consecutive Control Programme is being executed.
- If the procedure is interrupted at any point for over 20 seconds, the setting mode ends and the series of commands will be programmed up to that point. In this case, clear the programme (page 24) and start again from Step 1 to set the entire programme from the beginning. You cannot continue programming once the setting mode ends.
- If a Component Select button has already “learned” a remote control signal (page 12), you can programme a Control Programme function (Component Macro), but the function will not work until you clear the Learning function. To clear the Learning function, see “Changing or erasing the function of a “learned” button” on page 16.
- While you are setting a programme, you can insert a 0.4 second interval before the next step is executed by pressing the same Component Select button again. For the example above in the Step 2, you can insert a 0.4 second interval between the TV-on signal and the TV/VIDEO switching signal at the exercising as the programme is executed by pressing the buttons TV→→TV.

---

## Assigning Other Components to the Component Select Buttons

You can assign another component to any of the Component Select buttons not being used. Once if you set a Component Select button to a different type of component, the entered component’s code number becomes effective.

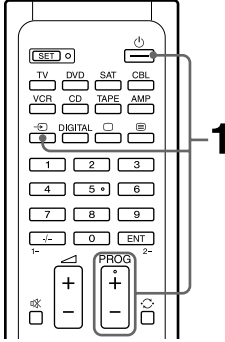
### Notes

- To use the original component setting, set the component code number again (page 8).
- If you enter a new brand’s component code number without clearing the previous “learned” functions on that Component Select button, the previously “learned” functions remain effective. Erase the functions you do not use frequently.
- You can only assign a TV to the TV Component Select button.

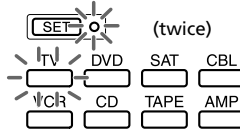


# Locking the Controls — Hold Function



To prevent accidental operation, you can lock all the buttons with the Hold function.

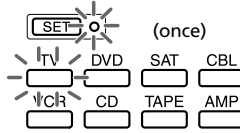


While the Hold function is on, no function can be operated. (The SET indicator and the Component Select button currently selected flash twice.)

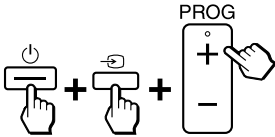


### To unlock the control

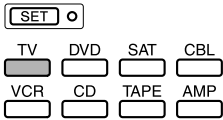
Press and while holding , press  and PROG -. The SET indicator and the Component Select button currently selected flash once, and the Hold function is released.



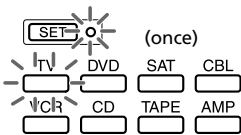
- 1 Press and while holding , press  and PROG +.



The SET indicator and the Component Select button currently selected flash once, and the Hold function is set.



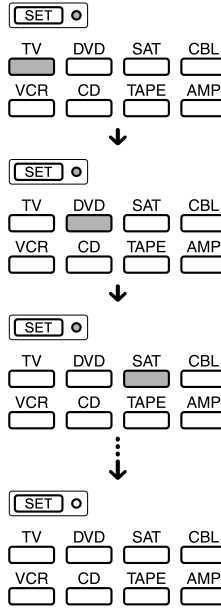
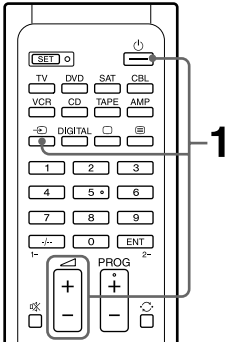
All the buttons are locked.






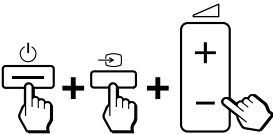
# Erasing All Settings






## — To reset the Commander to its factory settings

You can erase all remote control signals programmed by the “learned” function to reset the Commander to its factory settings.



- 1 Press and while holding , press  and .



When pressing the  button and the  button, all the Component Select buttons go off. When pressing the  button while holding down the  button and the  button, the SET indicator lights up and the Component Select buttons light up one by one. When the SET indicator turns off at last, all settings are cleared, and the Commander returns to its original state.

## Precautions

- Do not drop the unit or give a shock to the unit, or it may cause a malfunction.
- Do not leave the unit in a location near heat sources, or in a place subject to direct sunlight, excessive dust or sand, moisture, rain or mechanical shock.
- Do not put foreign objects into the unit. Should any liquid or solid object fall into the unit, have it checked by qualified personnel before operating the unit any further.
- Do not expose the remote control detectors of your components to direct sunlight or other strong illumination. Too much light there can interfere with remote control operations.
- Be sure to place the Commander out of the reach of small children or pets. Components such as air - conditioners, heaters, electric appliances, and electric shutters or curtains receiving an infrared signal can be dangerous if misused.

### Notice for customers: the following information is only applicable to equipment sold in countries applying EU directives

The manufacturer of this product is Sony Corporation, 1-7-1 Konan, Minato-ku, Tokyo, Japan. The Authorized Representative for EMC and product safety is Sony Deutschland GmbH, Hedelfinger Strasse 61, 70327 Stuttgart, Germany. For any service or guarantee matters please refer to the addresses given in separate service or guarantee documents.

## Maintenance

Clean the surface with a soft cloth slightly moistened with water or a mild detergent solution. Do not use any type of solvent such as alcohol, benzene or thinner as they may damage the finish of the surface.

## Specifications

### **Operating distance**

Approx. 10 m (32.8 ft) (varies depending on components of different manufacturers)

### **Power requirements**

Two R6 (size AA) batteries

### **Battery life**

Approx. 1 year (varies depending on frequency of button use - up to approx. 300 times per day.)

### **Dimensions**

Approx. 54 × 210 × 27 mm  
(2 <sup>1</sup>/<sub>4</sub> × 8 <sup>3</sup>/<sub>8</sub> × 1 <sup>1</sup>/<sub>8</sub> in) (w × h × d)

### **Mass**

Approx. 168 g (5.9 oz) (including batteries)

Design and specifications are subject to change without notice.

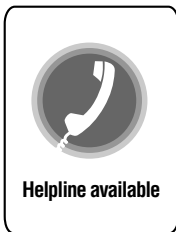
The validity of the CE marking is restricted to only those countries where it is legally enforced, mainly in the countries EEA (European Economic Area).

# Troubleshooting

If you have problems setting up or using the Remote Commander, first check the batteries (page 6), then check the items below.

Symptom	Remedy
You cannot operate components.	<ul style="list-style-type: none"><li>• Move closer to the component. The maximum operating distance is approximately 10 m. (32.8 ft).</li><li>• Check that you are aiming the Commander directly at the component, and that there are no obstructions between the Commander and the component.</li><li>• Power on the components first, if necessary.</li><li>• Make sure you have pressed the correct Component Select button. In case of MD or DAT, make sure the desired component is selected.</li><li>• Check that the component has infrared remote capability. For example, if your component did not come with a remote commander, it probably is not capable of being controlled by a remote commander.</li><li>• You have assigned a different component to the Component Select button. Check the component assigned to that button and the component code.</li></ul>
You cannot control the volume.	<ul style="list-style-type: none"><li>• If your visual components are connected to an audio system, make sure you have set up the Commander as described in "Controlling the Volume of Visual Components Connected to an Audio System" (page 19).</li><li>• You have assigned another component on the TV or AMP button (page 24). In this case, the volume cannot be controlled when you select components other than a TV or AMP.</li></ul>
The Component Select buttons flash by a constant interval when you press a button.	<ul style="list-style-type: none"><li>• Batteries are weakened. Replace them with new ones.</li></ul>
You cannot operate a component even after setting the component code numbers.	<ul style="list-style-type: none"><li>• Set the component code correctly. If the code that is listed first for your component does not work, try all the codes for your component in the order in which they are listed in the supplied "Component code numbers."</li><li>• Some features may not be preset. If some or all of the buttons do not function correctly even after you have set the component codes, then use the Learning function to programme the remote control signals for the component (page 12).</li><li>• The component may be operated with a code number that is not listed in the "Component code numbers." See "Setting a Component Code by the Search Function" (page 10) and try setting a code number again with the Search function.</li></ul>
The Commander fails to learn the remote control signals.	<ul style="list-style-type: none"><li>• When you teach signals of an interactive signal exchange system remote control unit (supplied with some of Sony's amplifiers) to the Commander, the response signal of the main unit may interfere with the learning of the Commander. In such a case, move to a place where the signals will not reach the main unit (e.g., another room, etc.).</li></ul>
You cannot operate a component even after you programmed the remote control signals with the Learning function.	<ul style="list-style-type: none"><li>• Make sure that the Remote Commander has "learned" the correct signals. If not, see "For accurate Learning" (page 14) and try the Learning procedure again (page 12).</li></ul>
The SET indicator flashes five times during the Learning procedure.	<ul style="list-style-type: none"><li>• Learning has not succeeded. See "For accurate Learning" (page 14) and try the Learning procedure again (page 12).</li><li>• There are no available buttons for "learning." Clear infrequently used Learning functions (page 16), then carry out learning procedure.</li></ul>
A Component Select button flashes five times during setting.	<ul style="list-style-type: none"><li>• The component codes cannot be set. See the supplied "Component code numbers" and try setting the component codes again (page 8).</li></ul>
The SET indicator flashes twice during the Learning procedure.	<ul style="list-style-type: none"><li>• A selected Component Select button or another button to be set has any remote control signals programmed by Learning function (page 12). Clear the "learned" signals (page 16) or select another button which has no "learned" signals, and try setting again.</li></ul>

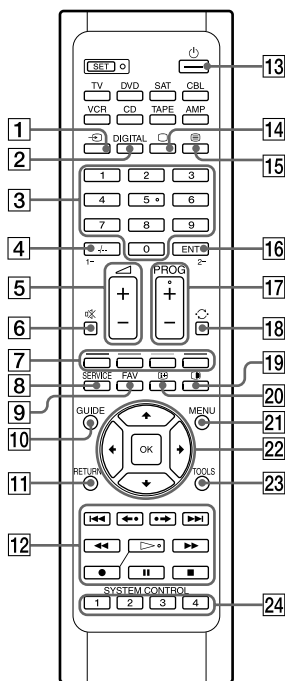
Symptom	Remedy
All Component Select buttons flash twice.	<ul style="list-style-type: none"> <li>• The Hold function is on. Unlock the Hold function (page 25).</li> </ul>
After programming the Power-On command of a component, pressing that Component Select button does not function correctly.	<ul style="list-style-type: none"> <li>• A Learning function has already been set on the Component Select button. If a Learning function has been set (page 12), you can programme the Power-On function on the Component Select button (page 20) but the Power-On setting will not work until you clear the "learned" function. Erase the "learned" function after setting the Power-On function. This function is for Sony components only.</li> </ul>
The System Control function or Control Programme function does not work properly.	<ul style="list-style-type: none"> <li>• When you programme a System Control function or Control Programme function, make sure to follow the correct steps (pages 21, 23).</li> <li>• Change the direction the Remote Commander is aimed. If the problem persists, position the programmed components closer together.</li> <li>• If the remote control receivers of the components are too far apart, or if something is blocking the signals between them, some of the components may not operate in sequence even after you press the programmed button. If some of the components do not operate correctly because of the above or any other reason, position the components back to the way they were before you set the System Control function or Control Programme function. Failure to do this can result in incorrect operation when you use these functions again.</li> <li>• Some components may not always be powered on by the System Control function or Control Programme function. This is because the power of the component turns on and off alternately when receiving the power on/off signal. In this case, check the operating component's power on/off state before using the System Control function.</li> <li>• If you change the AV brands' component code number (page 8) set on a Component Select button that has been programmed for a series of commands by the Control Programme function, the new signal will be transmitted when you press the corresponding Component Select button.</li> <li>• The intervals between steps may be too short. Depending on the components, you may need to insert an interval between consecutive controls. You can insert an interval by changing the order of pressing the buttons. (You can insert an interval between steps when programming the Component Select button.)</li> <li>• If a SYSTEM CONTROL button or a Component Select button has already "learned" a remote control signal (page 12), you can programme a System Control function (System Control Macro) or a Control Programme function (Component Macro), but the function will not work until you clear the Learned function. To clear the Learned function, see "Changing or erasing the function of a "learned" button" on page 16.</li> </ul>



### Customer Service

If you have any questions or problems concerning the Remote Commander that are not covered in this manual, please call the customer remote helpline. The number is mentioned in the warranty card.

# Table of Preset Functions



**Note**  
There may be some components or functions that cannot be operated with this Commander.

## TV

KEY DISPLAY	FUNCTION
13	To turn on and off.
3   4   16 1-9, 0, +/-, ENT, 1-, 2-	To change the programme. For example, to change to programme 5, press 0 and 5 (or, press 5 and ENT).
1  (INPUT SELECT)	To change the input mode.
21 MENU	To call up the MENU display.
22	To move the cursor upward.
22	To move the cursor downward.
22	To move the cursor to the right.
22	To move the cursor to the left.
22 OK	To enter the selection of the MENU display.
17 PROG +/-	Programme up: + Programme down: -

KEY DISPLAY	FUNCTION
18	To operate JUMP, FLASHBACK or CHANNEL RETURN function on the TV depending on the setting of the TV's manufacturer.
5	Volume up: + Volume down: -
6	To mute the volume on the TV. Press again to turn muting off.
9 FAV (16:9)	To switch to WIDE.
7 RED, GREEN, YELLOW, BLUE	Fasttext buttons
11 RETURN	To exit the mode.
14	To return from Teletext to TV.
15  (TELETEXT)	To switch to Teletext.
19  (PAP)	To divide the screen into two for watching two pictures simultaneously.
10 GUIDE (EPG)	To use the programme guide.
23 TOOLS	To call up the option menu.
20  (DISPLAY)	To display the current programme on TV
24 SERVICE (freeze)	Press once to display a frozen image.
12	To play.
12	To rewind.
12	To fast-forward.
12	To record, press  while pressing .
12	To stop.
12	To pause.
12	To proceed to the previous location.
12	To proceed to the next location.
12	To replay.
12	To advance forward.
12 REC STOP	To stop recording, press  while pressing .
12 REC PAUSE	To pause recording, press  while pressing .

## Using Fasttext

With Fasttext you can access pages with one key stroke.  
When a Fasttext page is broadcast, a colour-coded menu will appear at the bottom of the screen. The colours of this menu correspond to the red, green, yellow and blue keys on the Remote Commander.  
Press the key which corresponds to the colour-coded menu.  
The page will be displayed after some seconds.

## VCR


















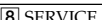











KEY DISPLAY	FUNCTION
13	To turn on and off.
3   4   16 1 - 9, 0, -/--, ENT, 1 -, 2 -	To change the programme. For example, to change to programme 5, press 0 and 5 (or, press 5 and ENT).
20  (DISPLAY)	To expose the on-screen display.
14  (ANT/SW)	To switch the subtitle.
1  (INPUT SELECT)	To change the input mode.
21 MENU	To call up the MENU display.
22	To move the cursor upward.
22	To move the cursor downward.
22	To move the cursor to the right.
22	To move the cursor to the left.
22 OK	To enter the selection of the MENU display.
12	To rewind.
12	To play.
12	To fast-forward.
12 REC ●	To record, press  while pressing REC ●*. First release , then release REC ●.
12 ■	To stop.
12	To pause.
17 PROG +/-	Programme up: + Programme down: -
11 RETURN	To exit the mode.


\* In order to avoid recording by mistake, the REC ● button does not work by itself.

## CBL (Cable box)

KEY DISPLAY	FUNCTION
13	To turn on and off.
7 RED, GREEN, YELLOW ,BLUE	Fastext buttons
3   4 1 - 9, 0, -/--	To change programmes. For example, to change to programme 5, press 0 and 5 .
1  (INPUT SELECT)	To switch the output of the SAT receiver to the TV. (When you connect a TV cable or aerial to the receiver, the output switches between a TV and SAT programme.)
10 GUIDE	To bring up Master Guide.
11 RETURN (EXIT)	To exit the mode.
15  (TELETEXT)	To switch to teletext.
21 MENU	To call up the MENU display.
22	To move the cursor upward.
22	To move the cursor downward.
22	To move the cursor to the right.
22	To move the cursor to the left.
22 OK	To bring up the Station Index when a programme guide is not displayed. To select the programme that is highlighted.
17 PROG +/-	Programme up : + Programme down : -
18	To return to the last tuned station.
19  (PAP)	To show the Help screen.
9 FAV	To show the Box Office screen.
8 SERVICE	To show the Services screen.
20  (DISPLAY)	To show the interactive screen.
12	To rewind.
12	To play.
12	To fast-forward.
12 REC ●	To record, press  while pressing REC ●*. First release , then release REC ●.
12 ■	To stop.
12	To pause.

## SAT

KEY DISPLAY	FUNCTION
	To turn on and off.
	Fastext buttons
 1 - 9, 0, -/--	To change programmes. For example, to change to programme 5, press 0 and 5.
 (INPUT SELECT)	To switch the output of the SAT receiver to the TV. (When you connect a TV cable or aerial to the receiver, the output switches between a TV and SAT programme.)
	To bring up Master Guide.
	To exit the mode.
 (TELETEXT)	To switch to teletext.
	To call up the MENU display.
	To move the cursor upward.
	To move the cursor downward.
	To move the cursor to the right.
	To move the cursor to the left.
	To bring up the Station Index when a programme guide is not displayed. To select the programme that is highlighted.
	Programme up : + Programme down : -
	To return to the last tuned station.
	To show the Help screen.
	To show the Box Office screen.
	To show the Services screen.
	To show the interactive screen.
	To rewind.
	To play.
	To fast-forward.
	To record, press  while pressing REC  *. First release  , then release REC  .
	To stop.
	To pause.

\* In order to avoid recording by mistake, the REC  button does not work by itself.


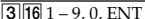
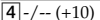




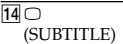









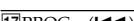

















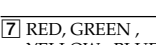
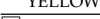



### Using Fastext


With Fastext you can access pages with one key stroke. When a Fastext page is broadcast, a colour-coded menu will appear at the bottom of the screen.

The colours of this menu correspond to the red, green, yellow and blue keys on the Remote Commander. Press the key which corresponds to the colour-coded menu.

The page will be displayed after some seconds.













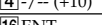




## DVD

KEY DISPLAY	FUNCTION
	To turn on and off.
	Number buttons: To set items selected from the screen.
	To select numbers 10 and above.
	To switch the audio mode.
	To bring up the Master Guide.
	To return to the previous screen.
	To enter the setting. To set items selected from the screen.
	To switch the subtitle.
	To show the current play status on the screen.
	To display the DVD menu.
	To call up the setup menu
	To move the cursor upward.
	To move the cursor downward.
	To move the cursor to the right.
	To move the cursor to the left.
	To enter the selection.
	PROGRAM +: Programme up
	PROGRAM -: Programme down
	To select the deck.
	To switch to Teletext.
	To play.
	To rewind.
	To fast-forward.
	To record, press  while pressing  REC.
	To stop.
	To pause.
	To proceed to the previous song.
	To proceed to the next song.
	To replay.
	To advance forward.
	To stop recording, press  while pressing  REC.
	Fastext buttons.
	Timer on/off.
	To display the title menu.
	To change the input mode.
	To display the program explanation.













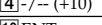




\* In order to avoid recording by mistake, the  REC button does not work by itself.


















## CD


KEY DISPLAY	FUNCTION
	To turn on and off.
	To rewind.
	To play.
	To fast-forward.
	To record, press  while pressing REC  *. First release  , then release REC  .
	To stop.
	To pause.
	To select the track number. 0 selects track 10. To select track numbers above 10, see the descriptions on the +10 button below.
	To select numbers 10 and above.
	To enter the setting.
	To select the next track.
	To select the previous track.
 (D.SKIP)	To select next disk.

## MD

KEY DISPLAY	FUNCTION
	To turn on and off.
	To rewind.
	To play.
	To fast-forward.
	To record, press  while pressing REC  *. First release  , then release REC  .
	To stop.
	To pause.
	To select the track number. 0 selects track 10. To select track numbers above 10, see the descriptions on the +10 button below.
	To select numbers 10 and above.
	To enter the setting.
	To select the next track.
	To select the previous track.
 (D.SKIP)	To select the next disc.

## DAT

KEY DISPLAY	FUNCTION
	To turn on and off.
	To rewind.
	To play.
	To fast-forward.
	To record, press  while pressing REC  *. First release  , then release REC  .
	To stop.
	To pause.
	To select a programme number.
	To enter the setting.
	To proceed to the next song.
	To proceed to the previous song.

\* In order to avoid recording by mistake, the REC  button does not work by itself.

## DECK

KEY DISPLAY	FUNCTION
<b>12</b> ◀◀	To rewind.
<b>12</b> ▶▶	To play.
<b>12</b> ▶▶▶	To fast-forward.
<b>12</b> REC ●	To record, press ▶▶ while pressing REC ●*1. First release ▶▶, then release REC ●.
<b>12</b> ■	To stop.
<b>12</b>	To pause.
<b>4</b>   / - (◀)	To reverse.
<b>16</b> ENT (◀)	To reverse.
<b>11</b> RETURN (●)	To record, press ▲ while pressing RETURN*1. First release ▲, then release RETURN.
<b>22</b> ▲ (▷)	To play.*2
<b>23</b> TOOLS	To call up the setup menu.
<b>22</b> ▶ (▶▶)	To fast-forward.*2
<b>22</b> ◀ (◀◀)	To rewind.*2
<b>22</b> ▬ (  )	To pause.*2
<b>18</b> (A/B)	To select the tape deck: Deck A or B (dual cassette deck only).
<b>23</b> TOOLS (■)	To stop.*2

\*1 In order to avoid recording by mistake, the REC ● button and RETURN button do not work by themselves.

\*2 Activated when using a double cassette deck (for deck A of Sony component)

## AMP

KEY DISPLAY	FUNCTION
<b>13</b> ⏻	To turn on and off.
<b>3</b> 1	To select the input source: VIDEO 1
<b>3</b> 2	To select the input source: VIDEO 2
<b>3</b> 3	To select the input source: AUX
<b>3</b> 4	To select the input source: TUNER
<b>3</b> 5	To select the input source: CD
<b>3</b> 6	To select the input source: TAPE
<b>3</b> 7	To select the input source: MD
<b>3</b> 8	To select the input source: TV
<b>3</b> 9	To select the input source: PHONO
<b>3</b> 0	To select the input source: DVD
<b>1</b> (INPUT SELECT)	To change the input select cyclically.
<b>5</b> ▲ +/-	Volume up: +
	Volume down: -
<b>6</b>	To mute the volume on the AMP. Press again to turn muting off.
<b>17</b> PROG +/-	Presetting or tuning frequency up: + Presetting or tuning frequency down: -
<b>18</b> (SHIFT)	To shift band or preset select.

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