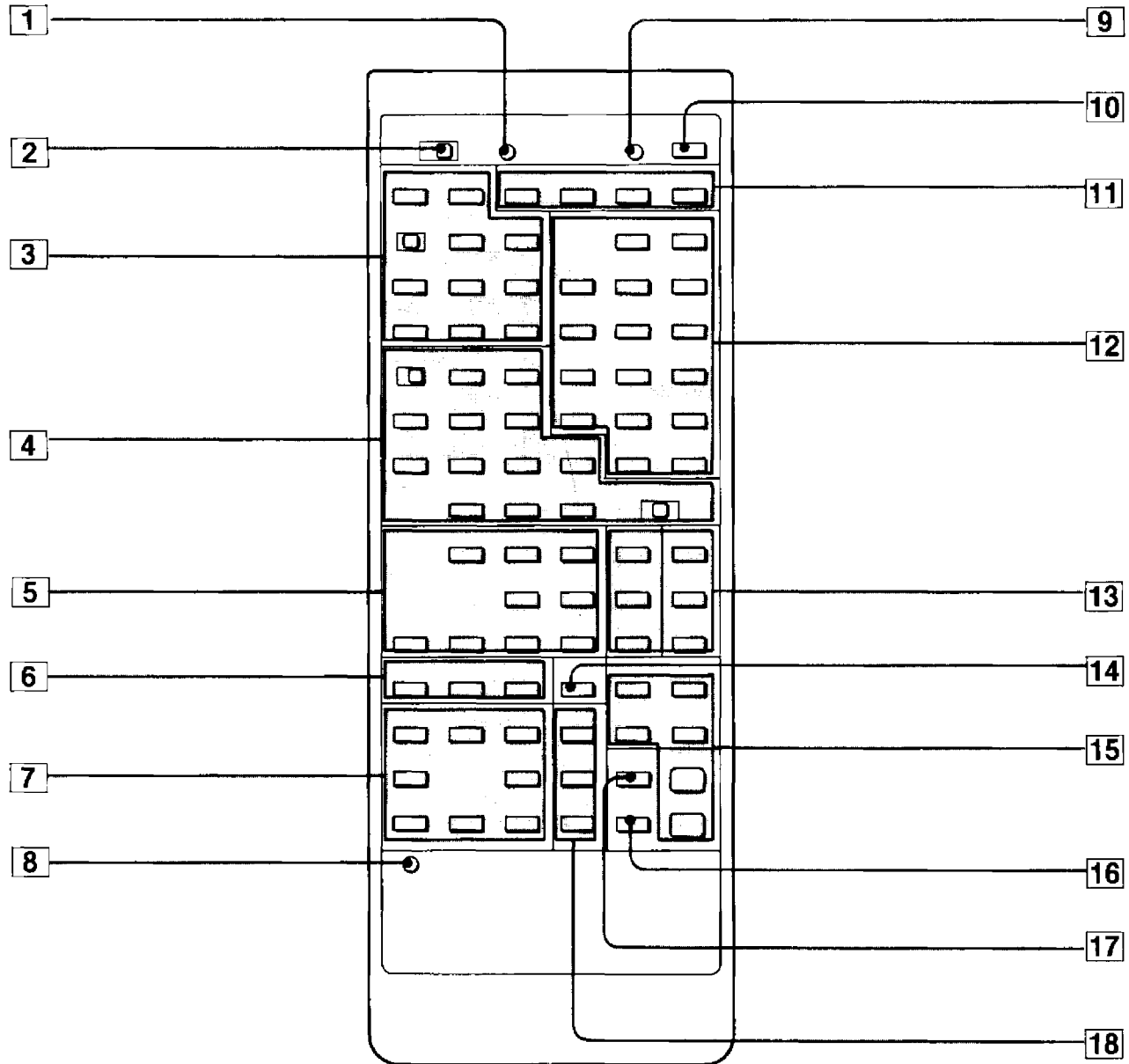


# Parts Identification

## Programmable System Commander RM-P301 (supplied)

The RM-P301 can "learn" various functions of other remote commanders which use infrared rays. When the mode selector is set to SONY STD (Sony Standard), button on the RM-P301 can be used to perform the functions below.



**1 LEARN indicator**

**2 Mode selector**

SONY STD(standard): To operate the commander on Sony standard  
USER STD(standard): To use the learned functions  
LEARN: To learn other functions

**3 CD player/LDP(Laser Disc Player) operation buttons**

CONTINUE: Continuous play (only for CD player)  
SHUFFLE: Shuffle play (only for CD player)  
CD/LDP selector: Selects CD player or LD player to be played. The combined CD/LD player can be controlled with this selector set to LDP.  
PGM: Program play (only for CD player)  
D.(disc) SKIP: Disc skip (for a CD player equipped with a multi-disc changer)  
▶: Starts play  
◀◀/▶▶: Locates a desired selection.  
■: Stops play.  
◀◀/▶▶: Manual search (only for LD player)

**4 TAPE/DAT/VTR operation buttons**

TAPE/VTR selector: Selects TAPE(tape deck) or VTR(VCR) to be controlled.  
ANT (antenna) TV/VTR button: Selects the output signal from the antenna terminal on the VCR, either a TV signal or VCR programs.  
CH (channel) +/- buttons: Select channel on the VCR.  
◀◀/▶▶: Fast winding  
■: Stop  
◀/▶: Play  
||: Pause  
REV/●REC (recording)/FWD buttons: For reverse recording, press REV and REC together (only for tape deck)  
For forward recording, press FWD and REC together.  
DECK/VTR selector  
DECK A, B, and DAT: Selects A, B or DAT deck.  
VTR 1, 2, and 3: Selects VCR type.  
1: Betamax VCRs  
2: 8mm VCRs  
3: VHS VCRs

**5 FUNCTION selectors**

Select an input source of the receiver.

**6 SURROUND buttons**

ON/OFF: Turns on/off the surround function.  
MODE: Selects the surround mode.  
T.(test) TONE: Generates a signal that is sent to each speaker in succession.

**7 CURSOR CONTROL buttons**

MAIN: Selects PARAMETER MAIN.  
SUB: Selects PARAMETER SUB.  
EQ (equalizer): Selects EQUALIZER BAND.  
MODE: Selets MAIN, SUB, TUN/CHARA or EQUALIZER BAND.  
◀/▶/▲/▼: Cursor control buttons

**8 RESET button**

Press this button and operate again if the equipment works incorrectly.

**9 PROGRAM CLEAR button**

Clears all programmed signals.

**10 SYSTEM OFF button**

Turns off the power of the whole system: LDP, VTR, TV and AUDIO.

**11 LDP/VTR/TV/AUDIO POWER buttons**

Controls the power of each unit.  
Note: The VTR POWER button functions only when the TAPE/VTR selector is set to VTR.

**12 TV operation buttons**

TV/VIDEO: Selects the input signal to the TV set, either a TV broadcast or VCR programs.  
VOL (volume) +/- buttons: Control the TV volume.  
CH (channel) +/- buttons: Select a preset TV channel.  
Program number (1 to 0) and ENTER buttons: Select the TV channel.

**13 TUNER operation buttons**

INDEX SELECT: Selects an Index name.  
INDEX +/- buttons: Selects a next/previous preset station under the same index.  
TUNER SHIFT: Selects a memory page (A, B, or C).  
PRESET +/- buttons: Selects a higher/lower preset number.

**14 EQUALIZER ON/OFF button:**

Turn on/off the equalizer.

**15 Volume control buttons**

CENTER LEVEL +/- buttons: Adjust the level of the center speaker.  
REAR LEVEL +/- buttons: Adjust the level of the rear speakers.  
MASTER VOL +/- buttons: Adjust the level output from the receiver.

**16 MUTING button:**

Mutes the output signal.

**17 DDS/DBFB button**

Turn on/off the DDS(Digital Dynamic Sound).  
DBFB function is not available with this receiver.

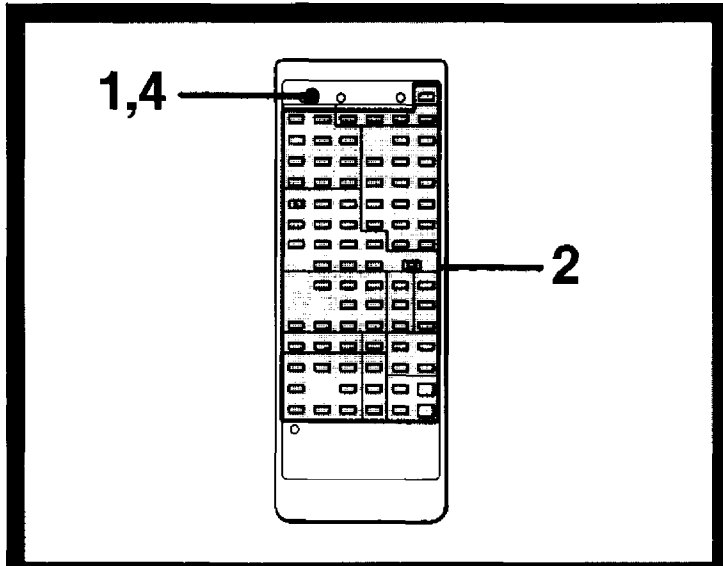
**18 S.(sound) FIELD buttons**

MODE button: Selects sound field mode.  
LINK: Links sound field setting to preset stations.  
USER/PRESET: Selects the factory-preset program and the user program.

# Using the Remote Commander

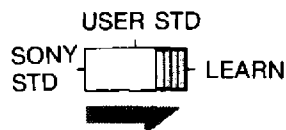
When you manipulate a switch or button on the commander be sure to point the head of the commander toward the remote control sensor on the front of the receiver. If there is an obstacle between the receiver and the head of the commander, the receiver may not be controlled remotely.

## Programming Signals of Other Audio/Video Equipment with Programmable System Commander RM-P301



The RM-P301 learns various functions of other remote commanders emitting infrared rays and allows you to control most of audio and video equipment from a distance.

1

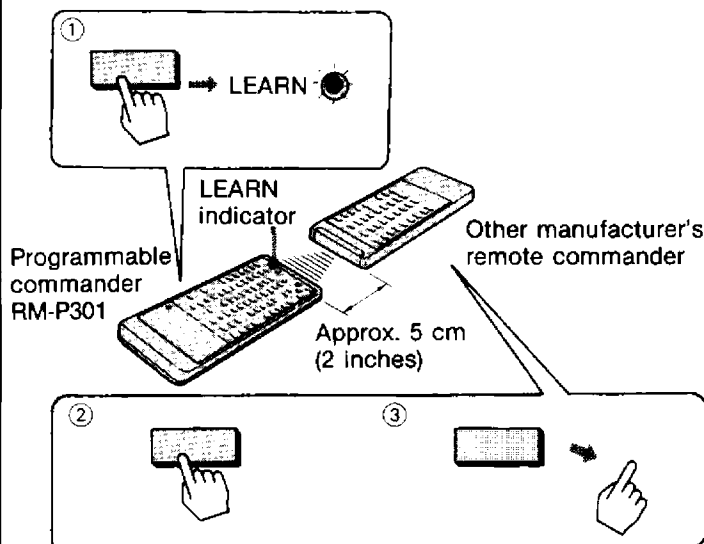


1 Set the mode selector to LEARN.

2 Program a signal.

- ① Press and hold the button which shall "learn" the remote-control signal until the LEARN indicator lights up.
- ② Press and hold the button of other manufacturer's remote commander whose signal is to be learned.
- ③ Remove your finger(s) from the button(s) after the LEARN indicator goes off.

2



**The two remote commanders must:**

- face straight each other.
- be placed at a distance of approx. 5 cm (2 inches).
- not be moved during programming operation.

3 Repeat operation for each button to be programmed.

4 Set the mode selector to USER STD or SONY STD.

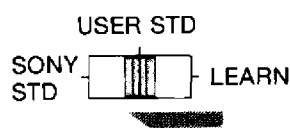
**After programming**

Be sure to test if the equipment really works with the programmed signals.

**Number of signals that the commander can learn**

It depends on the format of the signal. If you program signals of Sony equipment, approximately 50 signals can be programmed.

4



If the LEARN indicator flashes or does not go off in step 2-②, ③

The memory capacity is full. This occurs when other signals stronger than the remote-control signals have been stored because the signals were programmed in a noisy environment or the remote commander were placed too far apart from each other.

→ Clear all the signals following the procedure on the right and program again from the beginning under the proper conditions.

**Notes on programming**

- Remote-control signals of equipment of manufacturers other than Sony can be programmed only when they are compatible with the infrared wireless remote control system. Since the programmable commander can "learn" only the signals output from another remote commander, it cannot control equipment that do not use a remote commander. Also, note that there are some special remote-control signals that cannot be programmed.
- Do not attempt to use the programmable system commander with an air conditioner or other household appliances.

**To program a new signal onto a previously programmed button**

Follow the programming procedure. The previously programmed signal is cleared and replaced by the new signal.

**To clear all programmed signals**

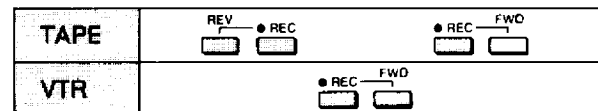
- 1 Set the mode selector to LEARN.
- 2 Press and hold any button of the programmable area until the LEARN indicator lights up.
- 3 Press PROGRAM CLEAR until the LEARN indicator flashes and goes off.

**Note**

It is not possible to clear the programmed content of just one button.

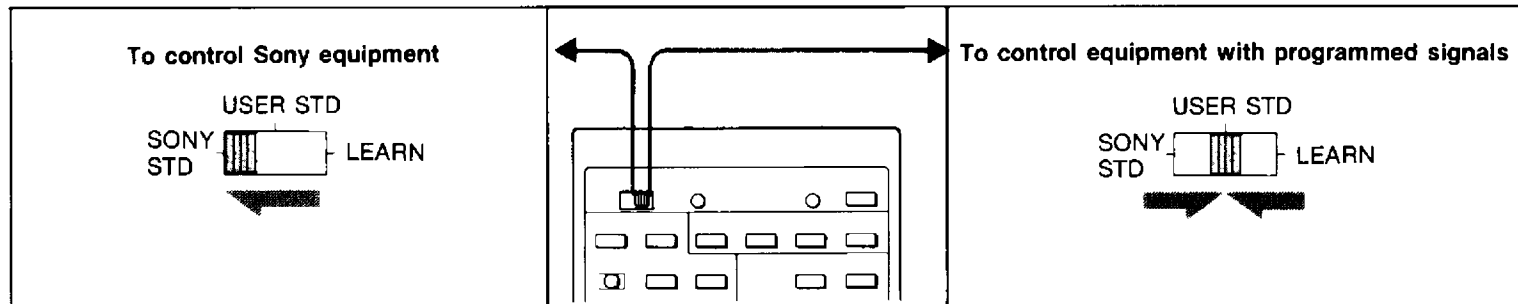
**To program a signal onto the ● REC button in the TAPE or VTR section**

It is not possible to operate any equipment with only the ● REC button. To program a signal on the ● REC button, press and hold the following buttons at the same time in step 2-①.



**Controlling Equipment**

By switching the mode selector as shown below, a single button alternately controls Sony equipment and equipment of another manufacturer.



**When Sony equipment cannot be remote-controlled**  
Program the signal in the same way as for equipment from other manufacturers. In this case, even with Sony equipment, set the mode selector to USER STD.

**Note on battery**

If the LEARN indicator does not light when a button is pressed, the batteries are almost exhausted. When the batteries are exhausted, the remote commander can no longer operate the unit or programming becomes impossible.

If this happens, replace both batteries with new ones. We strongly recommend the use of alkaline batteries.

**If no signal has been programmed**

The programmable commander can control Sony equipment even when the mode selector is set to USER STD.

**If the equipment works incorrectly**

Press RESET and operate again. The programmed contents of the buttons are not cleared by pressing RESET.