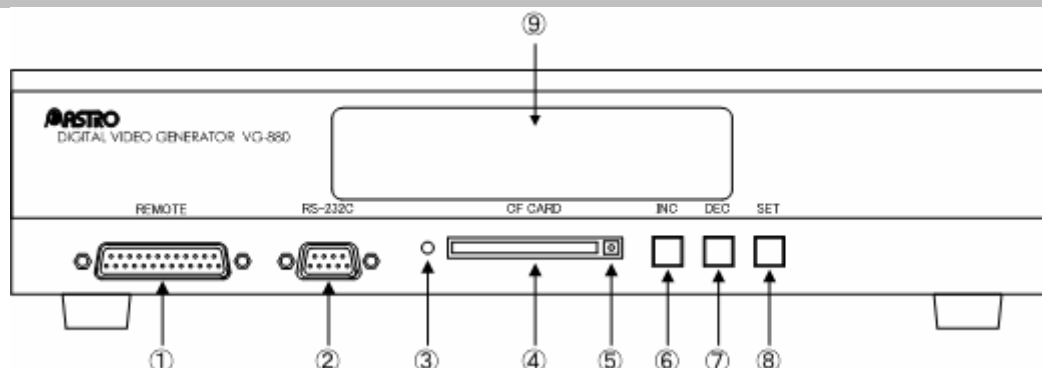


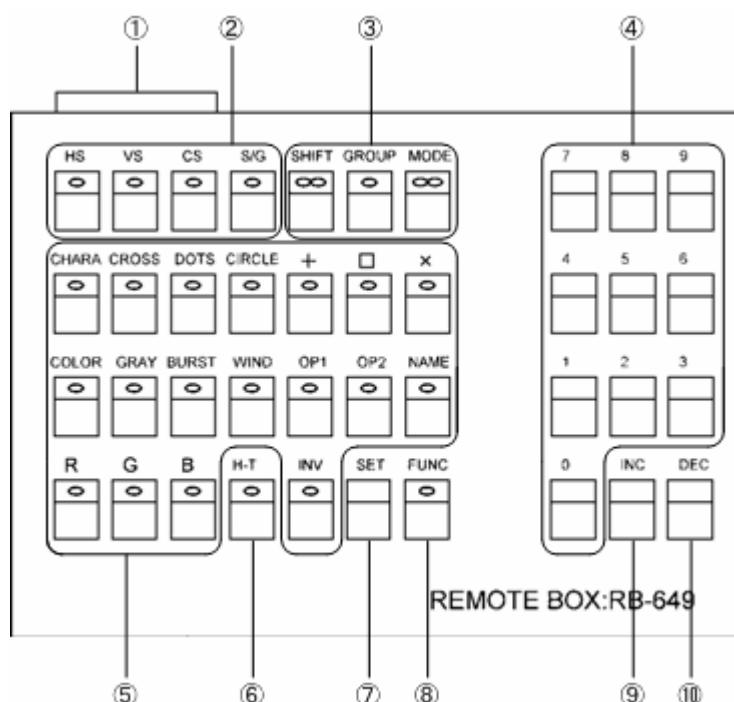
1.5 Panel parts and their functions

1.5.1 VG-880 front panel



(1)	Remote connector (25-pin female)	This is used to connect an optional remote control box (RB-1848, RB-649 or RB-614C) to operate the generator by remote control.
(2)	RS-232C connector (9-pin male)	This is used to connect a personal computer using an RS-232C cable.
(3)	LED	This lights when a CF card is inserted, and it goes off when the card is ejected. It blinks while the data on a CF card is being accessed.
(4)	CF card slot	Insert the CF card here. To eject it, press the EJECT button on the right of the slot.
CAUTION Always handle the CF cards very carefully. When inserting or ejecting a CF card, follow the steps in “2.11 How to insert and eject the CF cards.” If the wrong steps are taken, the data on the CF card may be destroyed, and the CF card may no longer be recognized even when it is re-inserted.		
(5)	EJECT button	Use this to eject the CF card.
(6)	[INC] key	This increments the program numbers by 1 (+1).
(7)	[DEC] key	This decrements the program numbers by 1 (-1).
(8)	[SET] key	This key is used to execute the functions and program data.
(9)	LCD	The menu settings, program numbers, timing data, etc. appear here. (Two lines each containing 24 characters are displayed.)

6.2 RB-649



①	VG series connector	Connector used to connect the remote control box to the VG series generator.
②	Output control key	These are used to switch the output. When a key is selected, its LED lights. ☞ Refer to “2.2.6 Switching the output video signals and sync signals.”
③	The keys listed below are used while the program data is being executed or edited. When a key is selected, its LED lights.	
	[SHIFT] key	This is used to select NEGA or POSI for HS and VS.
	[GROUP] key	This is used to set the group numbers.
	[SET] key	This is used to execute the program data.
④	Number keys	These are used for data input.
⑤	Pattern keys	These are used to select patterns or switch outputs. When a key is selected, its LED lights.
⑥	H-T key	This is used to change the output level.
⑦	SET key	This is used to execute the program data.
⑧	FUNC key	This is pressed first when a function is to be selected. When it is selected, its LED lights.
⑨	INC key	This is used to increment the program number by 1.
⑩	DEC key	This is used to decrement the program number by 1.

8.5 External interface connector pin layouts

8.5.1 Remote (D-Sub 25-pin female) connector

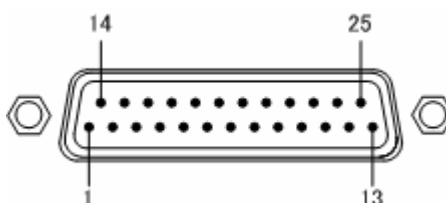


Fig. 8.5.1 Pin layout

Table 8.5.1 Pin numbers

Pin No.	I/O ^{*1}	Signal	Pin No.	I/O ^{*1}	Signal
1	I	KX7	14	I	KX6
2	O	KY2	15	O	KY3
3	O	KY4	16	O	KY1
4	O	KY5	17	I	KX4
5	I	KX5	18	O	KY0
6	I	KX3	19	I	KX2
7	I	KX1	20	I	KX0
8	-	GND	21	-	ID ^{*3}
9	O	RMT_RST ^{*2}	22	O	RMT_CLK ^{*2}
10	O	RMT_LAT ^{*2}	23	O	+5 V
11	-	GND	24	-	GND
12	O	RMT_DIN ^{*2}	25	O	+5 V
13	O	RMT_EN ^{*2}			

*1: "I" or "O" is input to or output from the VG-880.

*2: The control signals of these pins are used by Astrodesign. Under no circumstances must any connections be made to these pins.

*3: When fabricating a remote control unit, ground pin 21, and use the key matrix of the RB-614C.

As shown on the next page, the signals and remote control box (RB-1848, RB-614C, RB-649: optional accessory) key contacts are arranged in the form of a matrix.