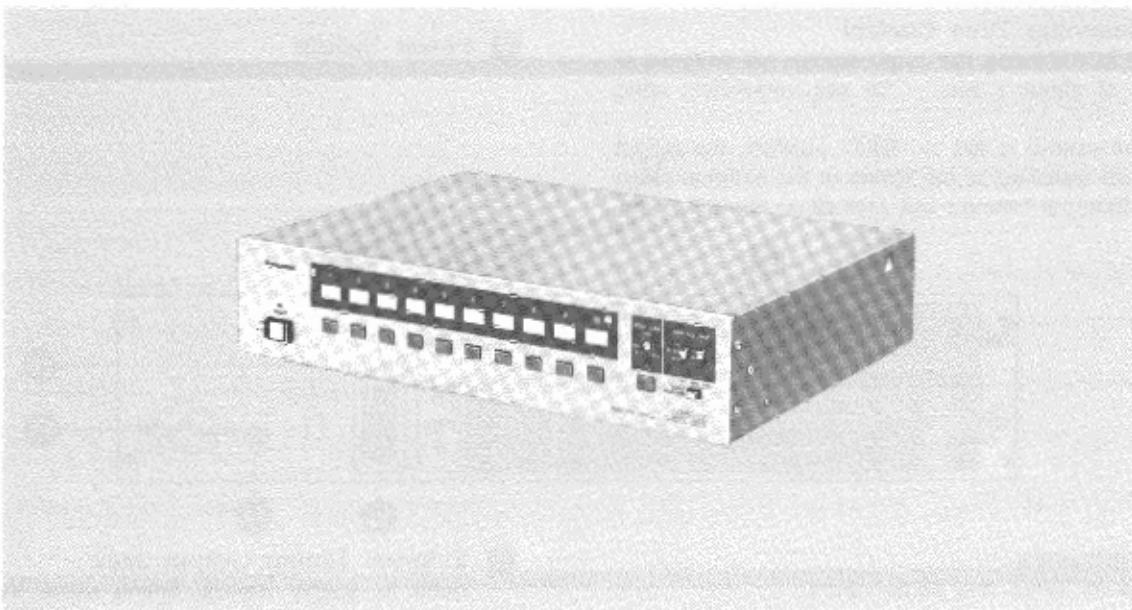


# Operating Instructions

Audio/Video Switcher  
AG-**SW100**



**Panasonic**<sup>®</sup>

Before attempting to connect, operate or adjust this product, please read these instructions completely.

# For Your Safety

## DO NOT REMOVE PANEL COVER.

To prevent electric shock, do not remove cover.  
No user serviceable parts inside. Refer servicing to  
qualified service personnel.



The lightning flash with arrow-head symbol, within an equilateral triangle, is intended to alert the user of the presence of uninsulated "dangerous voltage" within the product's enclosure; that may be of sufficient magnitude to constitute a risk of electric shock to persons.

## CAUTION

### RISK OF ELECTRIC SHOCK DO NOT OPEN

**CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK).  
NO USER-SERVICEABLE PARTS INSIDE.  
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.**



The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

- Do not insert fingers or any other objects into the unit.
- Avoid operating or leaving the unit near strong magnetic fields. Be especially careful of large audio speakers.
- Avoid operating or storing the unit in an excessively hot, cold, or damp environment as this may result in damage to the unit.

- Do not spray any cleaner or wax directly on the unit.
- Do not attempt to disassemble the unit.  
There are no user serviceable parts inside.
- If any liquid spills inside the unit, have the unit examined for possible damage.
- Refer any needed servicing to qualified service personnel.

## ■ VOLTAGE ADJUSTMENT

To adjust the voltage selector, turn the voltage selector with a screwdriver.

**CAUTION: Operating at a voltage setting higher than 120 V AC may require the use of a different AC plug or cord set. Please contact either a local or foreign Panasonic authorized service center for assistance in selecting an alternate AC plug or cord set.**

VOLTAGE SELECT	SETTING THE VOLTAGE SELECTOR	110V	120V	220V	240V
	LOCAL VOLTAGE	AC 110 V	AC 120 V	AC 220 V	AC 240 V

**CAUTION: Voltage Settings 110 V, 220 V and 240 V are not intended for use in U.S.A. and Canada.**

**WARNING: TO PREVENT FIRE OR SHOCK HAZARD,  
DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.**

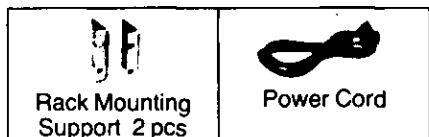
# Inspection

**CAUTION:**

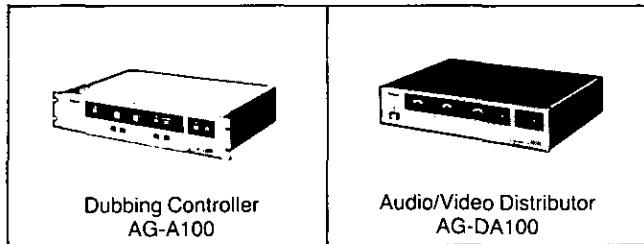
TO PREVENT FIRE OR SHOCK HAZARD AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

## Standard Accessories

After removing the unit from its box, check to be sure it has not sustained any damage. Also check to see that you have the following accessories as pictured below.



## Optional Accessories



# Unit Descriptions and Features

The Switcher AG-SW100 is designed to select among multi-source video and audio inputs for connection to a single output, up to 10 inputs can be accommodated.

**1. Auto Scan and Manual Selection Modes**

In Auto mode, up to 10 inputs can be scanned at an adjustable interval of about 1 sec. to 30 sec., or timed by external pulse.

In Manual mode, input selected by front panel Input Selector Push Buttons.

**2. Audio monitor allows for 3 modes: CH1, Mix and CH2.****3. Mode Lock Function**

(Local/Remote Control Input Inhibit Selection).

Mode Operation buttons can be locked out on the local switcher or on a remote switcher unit.

**4. Auto Skip Function**

Skip ON/OFF switch allows for automatic skipping of unused inputs for more rapid scanning in Auto mode.

**5. Vertical Interval Switching**

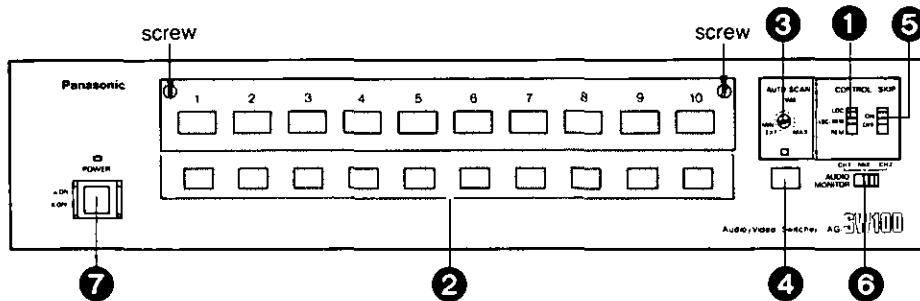
Switching performed at vertical sync interval of input 1 video signal (if supplied).

**6. Can be mounted in 19-inch Rack**

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# Controls and Their Functions



## ① Local/Remote Control Selector Switch

**LOC:** Operation at Switcher AG-SW100.  
The Output Selector Buttons (1~10) and Auto Scanning Selector Button on the front panel can be operated.  
(Operation from Remote Switcher is inhibited.)

**LOC/REM:** Operation from either Switcher AG-SW100 or Remote Switcher controls.

**REM:** Operation at Remote Switcher side. (Operation from Switcher AG-SW100 is inhibited.)

## ② Output Selector Buttons/Indicators

When the desired number button is pressed, the associated input is connected to the Output Terminals ⑨.  
-Numbered indicator panel can be used to add desired input name. Remove the two screws to lift out panel, affix name stickers or other transparent name labels on underside of panel, and re-install panel.

## ③ Auto Scanning Time Control

In AUTO SCAN mode, the output signals are switched at intervals of about 1 sec. ~ 30 sec. depending upon setting.  
When the control is set to "EXT" position, the output signals are switched at the timing of the external pulse input at External Timing Input Jack ⑪ on the rear panel.

## ④ Auto Scanning Mode Button/Indicator

When this button is pressed and indicator lights, unit is set in AUTO SCAN mode. In this mode, the scanned inputs are switched to the output with the timing set by the Auto Scanning Time Control ③.  
Mode can be reset to manual by pressing any Output Selector Button ②. Auto scan indicator light should go off.

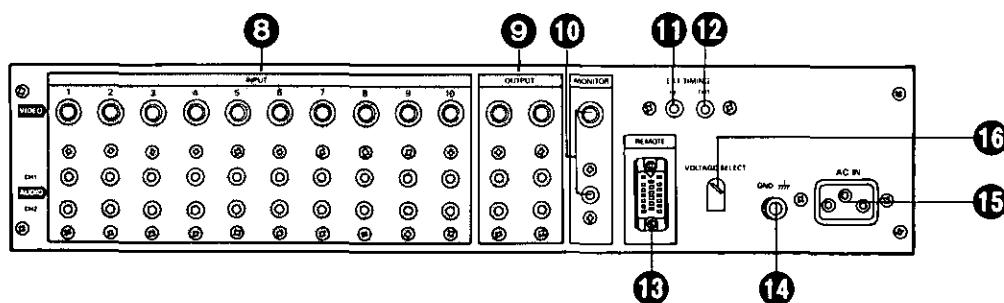
## ⑤ Skip ON/OFF switch

"ON": Non-signal inputs are automatically skipped during AUTO SCAN mode.  
**Note:** If no inputs are connected and skip switch is ON, random scanning may occur but this is not a malfunction.  
"OFF": All input Terminal (1~10) signals are switched in order.

## ⑥ Audio Monitor Selector Switch

Audio Output Selector Switch for monitoring the output signal from Monitor Output Terminal ⑩. There are 3 positions—CH1, MIX (CH1 & CH2) and CH2.

## ⑦ Power Switch



## ⑧ Input Terminals

Terminals for video and audio inputs.  
\*The video input of Input Terminal 1 is the reference video signal for vertical interval switching.

## ⑨ Output Terminals

Selected signals are connected at these terminals.  
Two separate sets of terminals are provided.

## ⑩ Monitor Output Terminal

Used to monitor the selected output signal.

## ⑪ External Timing Input Jack

Used to connect the external pulse for external control of scan interval.

## ⑫ External Timing Output Jack

Used to supply interval timing pulse input to other switchers from this unit.

## ⑬ Remote Control Connector

Connector for Remote Control Operation.  
For pin signals, refer table on page 5.

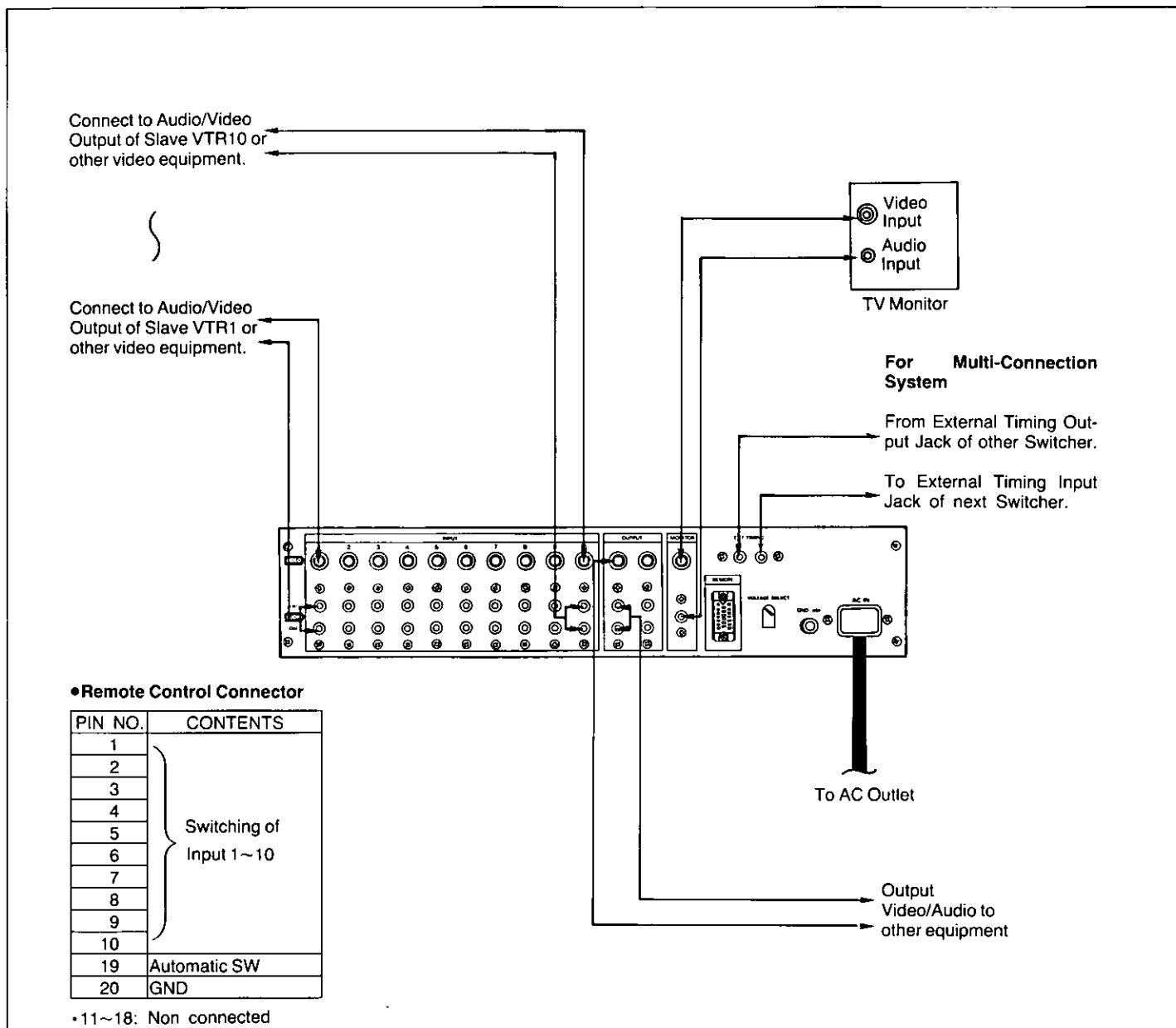
## ⑭ Ground Terminal

## ⑮ AC Power Input Socket

This selector can be set for 110, 120, 220, 240 Volt operation.

If it is necessary to change the voltage (preset to 120 V at the factory), consult page 2.

# Connection



- Connect each set of Input Terminals to the Audio/Video Output of video equipment.  
Use video cable (BNC connector type) and audio cable (RCA jack type).
- To monitor the selected signal on a TV Monitor, connect the Monitor Output Terminals (video/audio) of Switcher AG-SW100 to the video and audio input terminals of TV Monitor.
- When using Multi-Connection System, connect External Timing Output Jack of preceding Switcher to the External Timing Input Jack, and connect External Timing Output Jack to External Timing Input Jack of next Switcher.
- If desired to output the signal being monitored, take the video and audio signals out of the Output Terminals.  
(As for example, when switcher used as an input source selector.)

# Specifications

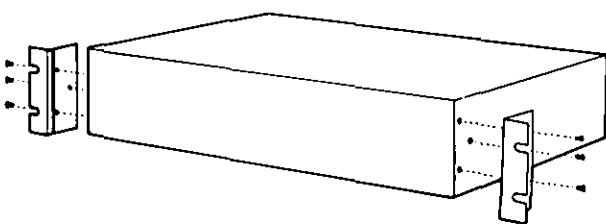
<b>Power Supply:</b>	U.S.A. and CANADA: 120 V AC FOREIGN: 110/220/240 V AC AC 50-60 Hz
<b>Power Consumption:</b>	Approx. 9 W
<b>Video</b>	
<b>Input:</b>	BNC×10, 1.0 Vp-p, 75Ω
<b>Output:</b>	BNC×2, 1.0 Vp-p, 75Ω
<b>Monitor Output:</b>	BNC×1, 1.0 Vp-p, 75Ω
<b>Audio</b>	
<b>Input:</b>	RCA jack×10 (CH1) RCA jack×10 (CH2) -6 dB, more than 5 kΩ
<b>Output:</b>	RCA jack×2 (CH1) RCA jack×2 (CH2) -6 dB, Low Impedance
<b>Monitor Output:</b>	RCA jack×1 -6 dB, Low Impedance
<b>Remote Control Connector:</b>	20-pin
<b>Video Frequency Response:</b>	100 kHz~10 MHz
<b>Audio Frequency Response:</b>	20 Hz~20,000 Hz
<b>Weight:</b>	12.98 lbs (5.9 kg)
<b>Dimensions:</b>	17"(W)×3½"(H)×13¾"(D) (*excl. rubber foot) 430×88×346 mm
<b>Operating Temperature:</b>	41°F~104°F (5°C~40°C)
<b>Operating Humidity:</b>	35%~80%
<b>Accessories Supplied:</b>	Rack Mounting Support×2 Power Cord×1

Weight and dimensions shown are approximate.

Specifications are subject to change without notice.

## •How to attach the Rack Mounting Support

Attach the rack mounting support firmly by using the cross-head screwdriver as follows:



### Note:

When mounting this unit to the standard rack, remove the rubber foot located on the bottom of this unit.

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