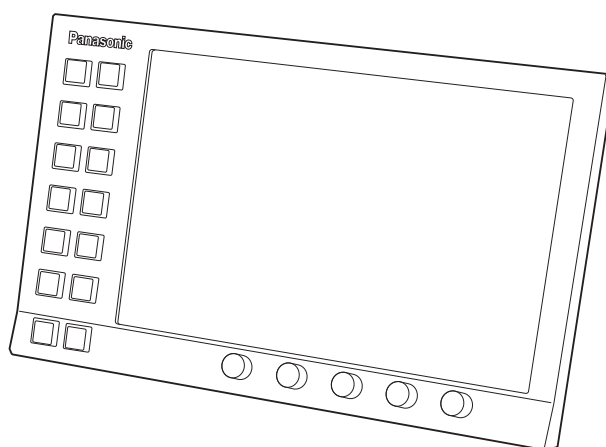


Panasonic[®]

Operating Instructions **Excerpted Version**

Menu Panel

Model No. **AV-HS60C3G**



This manual is an excerpted version of the Operating Guide. For more information, please visit the Panasonic website (<https://pro-av.panasonic.net/manual/en/index.html>), and refer to the Operating Guide (PDF).

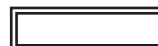
Before operating this product, please read the instructions carefully and save this manual for future use. Please carefully read the "Read this first!" (P. 2 to 5) of this Manual before use.

ENGLISH

Български	Посетете следния уебсайт относно информация за безопасността и важни уведомления за продукта.
Hrvatski	Za sigurnosne informacije i važne obavijesti o proizvodu posjetite sljedeću internetsku stranicu.
Čeština	Na následujícím webu najdete bezpečnostní informace a důležité poznámky k tomuto produktu.
Dansk	Besøg følgende webside for sikkerhedsinformation og vigtige bemærkninger vedrørende produktet.
Nederlands	Ga naar de volgende website voor veiligheidsinformatie en belangrijke meldingen over het product.
Eesti	Toodet puudutava ohutusteabe ja oluliste märkuste saamiseks külastage järgmist veebilehte.
Suomi	Käy seuraavalla verkkosivulla saadaksesi turvallisuustietoja ja tärkeitä tietoja liittyen laitteeseen.
Ελληνικά	Για πληροφορίες σχετικά με θέματα ασφάλειας και σημαντικές ειδοποιήσεις που αφορούν το προϊόν σας, επισκεφτείτε τον ιστότοπο που ακολουθεί.
Magyar	A termékkel kapcsolatos biztonsági információkért és fontos értesítésekért látogasson el az alábbi weboldalra.
Latviešu	Lai iegūtu informāciju par drošību un skatītu svarīgus paziņojumus par šo produktu, apmeklējiet tālāk norādīto tīmekļa vietni.
Lietuvių	Jeï reikia saugos informacijos ir svarbių pranešimų apie gaminį, apsilankykite toliau nurodytoje svetainėje.
Polski	Informacje o bezpieczeństwie i ważne informacje o produkcie znajdują się w poniższej witrynie internetowej.
Português	Consulte o seguinte website para as informações de segurança e importantes notificações sobre o produto.
Română	Vizitați următoarea pagină web pentru informații de securitate și notificări importante cu privire la produs.
Slovensky	Pre bezpečnostné informácie a dôležité oznámenia súvisiace s produktom navštívte túto webovú stránku.
Slovenščina	Za varnostne informacije in pomembna obvestila v zvezi z izdelkom obiščite naslednje spletno mesto.
Svenska	Besök följande webbplats för säkerhetsinformation och viktiga meddelanden om produkten.

<https://pro-av.panasonic.net/manual/en/index.html>

Read this first!



indicates safety information.

WARNING:

Installation should only be performed by qualified installation personnel.
Improper installation may result in the entire apparatus falling down and causing injury.

WARNING:

- To reduce the risk of fire, do not expose this equipment to rain or moisture.
- To reduce the risk of fire, keep this equipment away from all liquids. Use and store only in locations which are not exposed to the risk of dripping or splashing liquids, and do not place any liquid containers on top of the equipment.

WARNING:

Always keep screws out of the reach of babies and small children.

CAUTION:

Do not remove panel covers by unscrewing.
No user serviceable parts inside.
Refer servicing to qualified service personnel.

CAUTION:

To reduce the risk of fire and annoying interference, use the recommended accessories only.

FCC NOTICE (USA)

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Note:

This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Warning:

To assure continued FCC emission limit compliance, the user must use only shielded interface cables when connecting to external units. If DVI-D port is to be used it must be connected to PC by compatible interface cable with two ferrite cores. Also, any unauthorized changes or modifications to this equipment could void the user's authority to operate it.

NOTIFICATION (Canada)

CAN ICES-003(A)/NMB-003(A)

IMPORTANT SAFETY INSTRUCTIONS

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



EMC NOTICE FOR THE PURCHASER/USER OF THE APPARATUS

1. Pre-requisite conditions to achieving compliance with the above standards

<1> Peripheral equipment to be connected to the apparatus and special connecting cables

- The purchaser/user is urged to use only equipment which has been recommended by us as peripheral equipment to be connected to the apparatus.
- The purchaser/user is urged to use only the connecting cables described below.

<2> For the connecting cables, use shielded cables which suit the intended purpose of the apparatus.

- Video signal connecting cables
Use double shielded coaxial cables, which are designed for 75-ohm type high-frequency applications, for SDI (Serial Digital Interface).
Coaxial cables, which are designed for 75-ohm type high-frequency applications, are recommended for analog video signals.
- Audio signal connecting cables
If your apparatus supports AES/EBU serial digital audio signals, use cables designed for AES/EBU.
Use shielded cables, which provide quality performance for high-frequency transmission applications, for analog audio signals.
- Other connecting cables (IEEE1394, USB)
Use double shielded cables, which provide quality performance for high-frequency applications, as connecting cables.
- When connecting to the DVI signal terminal, use a cable with a ferrite core.
- If your apparatus is supplied with ferrite core(s), they must be attached on cable(s) following instructions in this manual.

2. Performance level

The performance level of the apparatus is equivalent to or better than the performance level required by these standards.

However, the apparatus may be adversely affected by interference if it is being used in an EMC environment, such as an area where strong electromagnetic fields are generated (by the presence of signal transmission towers, cellular phones, etc.). In order to minimize the adverse effects of the interference on the apparatus in cases like this, it is recommended that the following steps be taken with the apparatus being affected and with its operating environment:

1. Place the apparatus at a distance from the source of the interference.
2. Change the direction of the apparatus.
3. Change the connection method used for the apparatus.
4. Connect the apparatus to another power outlet where the power is not shared by any other appliances.

Manufactured by:

Panasonic Connect Co., Ltd.
4-1-62 Minoshima, Hakata-ku, Fukuoka 812-8531, Japan

Importer:

Panasonic Connect Europe GmbH
Authorized Representative in EU:
Panasonic Testing Centre
Winsbergring 15, 22525 Hamburg, Germany

Importer for UK:

Panasonic Connect UK,
a branch of Panasonic Connect Europe GmbH,
Maxis 2, Western Road, Bracknell, Berkshire, RG12 1RT



ІНФОРМАЦІЯ ПРО ПІДТВЕРДЖЕННЯ ВІДПОВІДНОСТІ ПРОДУКТУ

Виробник:	Panasonic Connect Co., Ltd.	Панасонік Коннект Ко., Лтд.
Адреса виробника:	Fukuoka, Japan	Фукуока Японія
Країна походження:	Japan	Японія

Імпортёр:	ТОВ "ПАНАСОНІК УКРАЇНА ЛТД"
Адреса Імпортёра:	вул. Васильківська, буд. 30, м. Київ, 03022, Україна

Примітки:

Термін служби виробу	7 років
----------------------	---------

Дату виготовлення можна визначити за комбінацією букв і цифр серійного номера, що розташований на маркувальній табличці виробу.

Приклад: X X XXXXXX

Рік: остання цифра року (6 – 2016, 7 – 2017, ... 0 – 2020)

Місяць: А – Січень, В – Лютий... L – Грудень

AEEE Yönetmeliğine Uygundur. AEEE Complies with Directive of Turkey.

< Предупреждение >

Следуйте нижеприведённым правилам, если иное не указано в других документах.

1. Устанавливайте прибор на твёрдой плоской поверхности, за исключением отсоединяемых или несъёмных частей.
2. Хранить в сухом, закрытом помещении.
3. Во время транспортировки не бросать, не подвергать излишней вибрации или ударам о другие предметы.
4. Утилизировать в соответствии с национальным и/или местным законодательством.

Правила и условия реализации не установлены изготовителем и должны соответствовать национальному и/или местному законодательству страны реализации товара.

< Увага >

Виконуйте наступні застереження, якщо інше не вказано в супровідних документах.

1. Встановлюйте пристрій на жорсткій, рівній поверхні.
2. Зберігайте всередині захищеного від вологи приміщення.
3. Під час транспортування уникайте падіння пристрою, його надмірної вібрації або ударів об інші об'єкти.
4. Правила та умови утилізації мають відповідати національному та/або місцевому законодавству.

Умови реалізації не встановлені виробником та мають відповідати національним та/або місцевим законодавчим вимогам країни реалізації виробу.

<Ескерту>

Егер басқа жолдама құжаттарда көрсетілмеген жағдайда, төмендегі шарттарды орындаңыз.

1. Тегіс, берік бетке орналастырыңыз, тек алынатын бөлшектер немесе қозғалмайтын бөлшектерден басқа.
2. Жабық және құрғақ жерде сақтау керек.
3. Тасылмалдауды құлатусыз, аса вибрациясыз және басқа заттарға соғусыз жасау керек.
4. Көдеге жаратуды ұлттық және жергілікті заңдарға сәйкес жасау керек.

Сату шарттары өндірушімен орнатылмаған және мемлекеттің тауарды пайдаланудың ұлттық немесе жергілікті заңдарына сай болуы керек.

Contents

Read this first!	3
Overview	8
Overview	8
Ratings display	8
Installation	8
Accessories	8
Part Names and Functions	9
Operation panel	9
Rear panel	10
Specifications	10

■ **Liquid crystal displays**

- The pixels of the LCD monitor are controlled to obtain high precision with 99.99% of the effective pixels. This leaves less than 0.01% of pixels that may not light or may remain on all the time. These phenomena are normal and will have no effect on the images you shoot.
- There may be some unevenness on the screen depending on the image displayed.
- Wiping or rubbing the LCD screen with a rough cloth may damage it.
- LCD response and brightness vary with operating temperature.
- In a high-temperature and high-humidity location, the LCD panel characteristics may change and result in uneven image quality.

How to read this document

■ **Abbreviations**

The following abbreviations are used in this document.

- The model numbers of the Main Frames AV-HS60U1P/AV-HS60U2P, AV-HS60U1E/AV-HS60U2E are described as “AV-HS60U1”/“AV-HS60U2”.
- The model numbers of the Control Panels AV-HS60C1P/AV-HS60C2P, AV-HS60C1E/AV-HS60C2E are described as “AV-HS60C1”/“AV-HS60C2”.
- The model numbers of the Control Panels AV-HS60C4P and AV-HS60C4E are described as “AV-HS60C4”.
- The model number of the Menu Panel AV-HS60C3G is described as “AV-HS60C3”.

Overview

Overview

AV-HS60C3 is the Menu Panel AV-HS60C3 which configures the switcher system of AV-HS6000. Various settings are performed by connecting to AV-HS60C1/AV-HS60C2/AV-HS60C4.

For detailed operations, refer to the Operating Guide of the AV-HS6000 series.

Ratings display

The name, model number, and electrical ratings of the unit are indicated on the rear panel.

Installation

Refer to the Operating Guide of the AV-HS6000 series.

Accessories

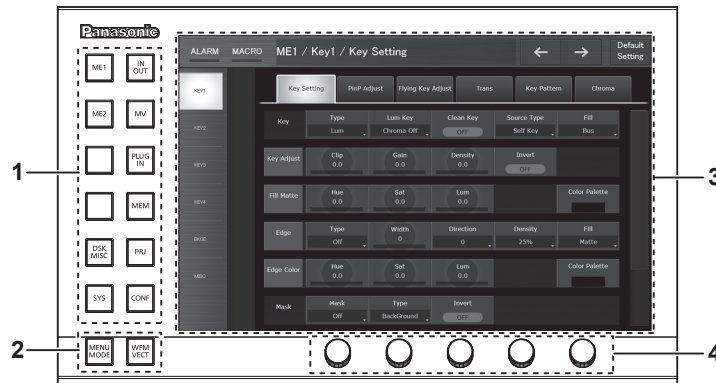
- Control Panel AV-HS60C1/AV-HS60C2/AV-HS60C4 connection cable (with ferrite core): 1 cable
- Control Panel AV-HS60C1/AV-HS60C2/AV-HS60C4 mounting bracket
- Screw for the Control Panel AV-HS60C1/AV-HS60C2/AV-HS60C4 mounting bracket: 6 screws

NOTE

- After removing the product from its container, dispose of the packing materials in an appropriate manner.

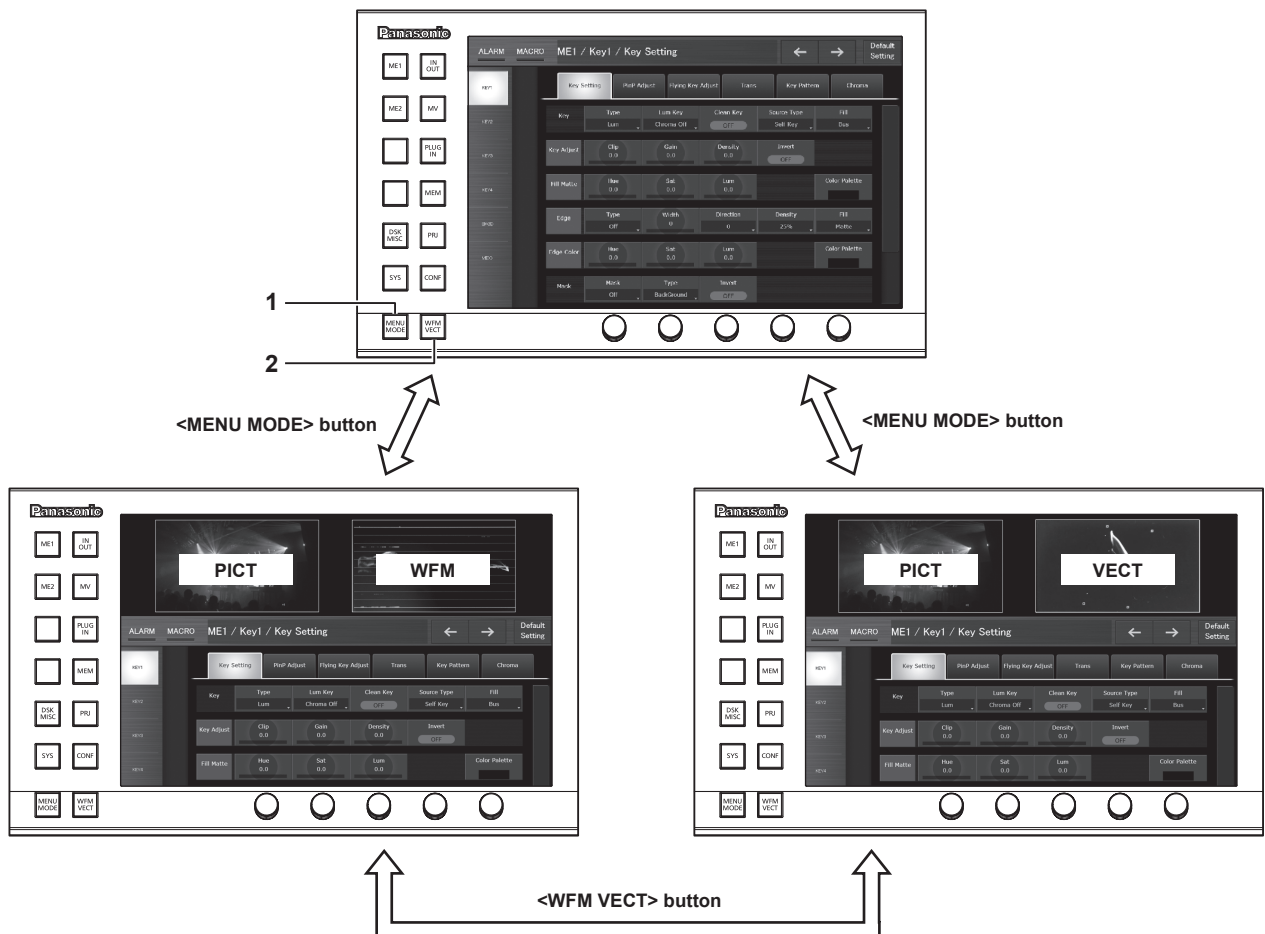
Part Names and Functions

Operation panel



- 1 **Top menu buttons** (<ME1>, <ME2>, <DSK MISC>, <SYS>, <IN OUT>, <MV>, <PLUG IN>, <MEM>, <PRJ>, <CONF>) Selects the first hierarchy of the menu.
- 2 **Split-screen buttons** (<MENU MODE>, <WFM VECT>) Switches the display of the menu screen. For details, refer to "Split display of the menu screen" (page 9).
- 3 **Menu screen**
- 4 **Rotary encoders** When the rotary encoder is turned, the numeric values of the number button focused on the menu can be changed. When the rotary encoder is double-clicked or held down, the numeric values of the number button focused on the menu will return to the default settings.

Split display of the menu screen



- 1 **<MENU MODE> button** Each time this button is pressed, the full screen display and split display (PICT, WFM/VECT, menu) of the menu are switched. The display content is as follows when the menu screen is split.

Display position	Display content
Upper left	Images selected in the DISP bus are displayed.

Specifications

Display position	Display content
Upper right	The WFM (waveform monitor) or VECTOR (vectorscope) for the video selected in the DISP bus is displayed.
Bottom	The menu will be displayed.

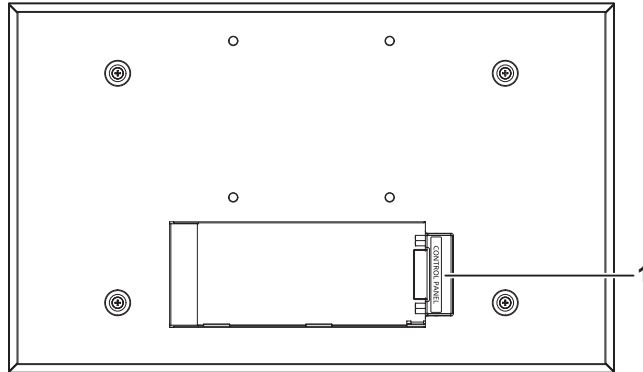
2 <WFM VECT> button

Each time the button is pressed when the menu display is split, the WFM (waveform monitor) and VECTOR (vectorscope) displayed at the upper right of the screen are switched.

NOTE

- When anything other than [DISP] is selected using the <SYS> button → [SYSTEM] → [Display] tab → [Video Codec] column → [Target] item, the image selected in the DISP bus, the WFM, or the VECTOR is not displayed.
- Image, WFM, and VECTOR are not displayed in the Menu Panel AV-HS60C3 connected to the sub control panel.

Rear panel



1 <CONTROL PANEL> terminal (connector: DVI-D/signal: independent signal)

Connects the Control Panel AV-HS60C1/AV-HS60C2/AV-HS60C4.

- This is the dedicated interface for connection with the Control Panel AV-HS60C1/AV-HS60C2/AV-HS60C4 (optional). Do not connect with DVI output devices.

Specifications

Power supply DC === 12 V/0.54 A * Supplied from AV-HS60C1/AV-HS60C2/AV-HS60C4 using supplied cable Power consumption 6.48 W

 indicates safety information.

<CONTROL PANEL> terminal	Used only for the Control Panel AV-HS60C1/AV-HS60C2/AV-HS60C4 <ul style="list-style-type: none"> Connector: DVI-D Because an independent signal format is used, DVI-D source cannot be displayed. Cannot be used concurrently with a DVI-D monitor connected to the <DVI-D> terminal of the Control Panel AV-HS60C1/AV-HS60C2/AV-HS60C4. Set the display selector switch of the Control Panel AV-HS60C1/AV-HS60C2/AV-HS60C4 to the <MENU PANEL> terminal side.
Ambient operating temperature	0 °C to 40 °C (32 °F to 104 °F)
Humidity	10% to 90% (no condensation)
Dimensions (W×H×D)	290 mm×177 mm×46.1 mm (11-13/32 inches×6-31/32 inches×1-13/16 inches) (excluding protrusions) 4RU
Mass	AV-HS60C3: Approx. 1.7 kg (3.7 lbs.) (excluding accessories)

Disposal of Old Equipment
Only for European Union and countries with recycling systems



This symbol on the products, packaging, and/or accompanying documents means that used electrical and electronic products must not be mixed with general household waste.

For proper treatment, recovery and recycling of old products, please take them to applicable collection points in accordance with your national legislation.

By disposing of them correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment.

For more information about collection and recycling, please contact your local municipality, dealer or supplier.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.