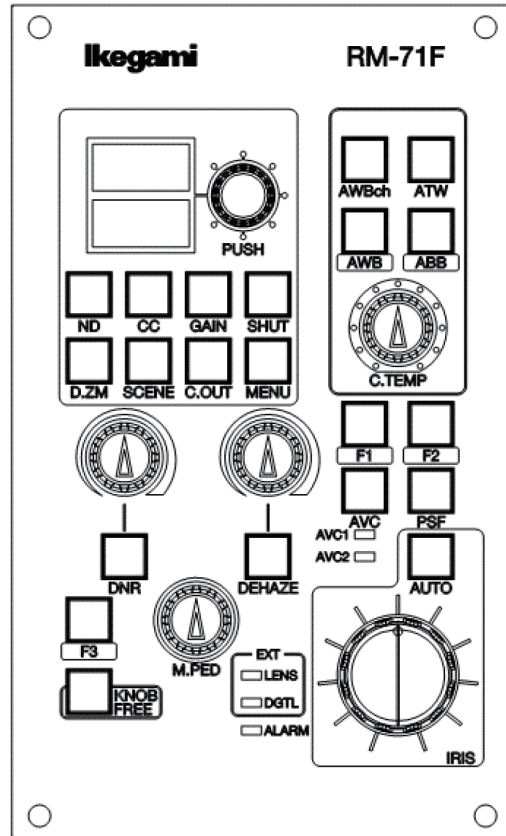




Products conforming to RoHS directive



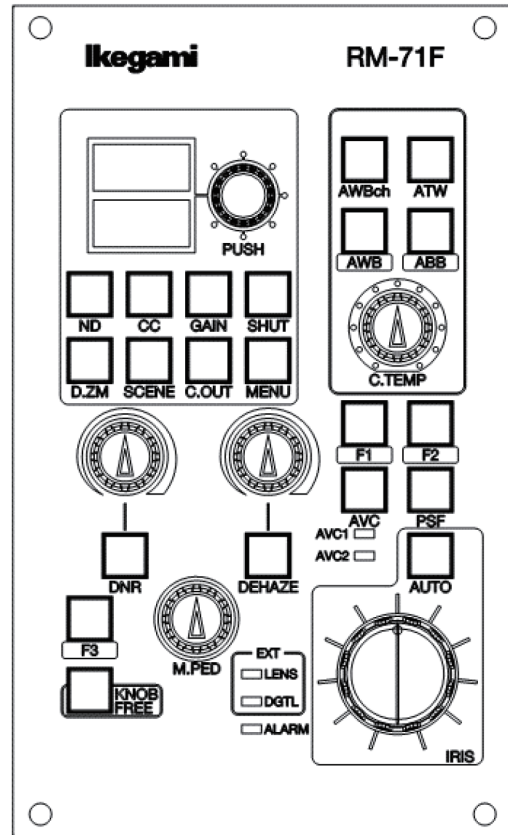
RM-71F

Remote Control Panel Operation Manual

Ikegami



Products conforming to RoHS directive



RM-71F

Remote Control Panel Operation Manual

202105 1stEdition (U) (E)

Ikegami

English

Instructions for Disposal of Electric and Electronic Equipment in Private Household



Disposal of used Electric and Electronic Equipment
(Applicable in the European Union and other European countries with separate collection systems)

This symbol on the product, or in the related documents in the package, indicates that this product shall not be treated as normal household waste. Instead, it should be taken to a proper applicable collection point or depot for the recycling of electric and electronic equipment.

By ensuring this product is disposed of correctly, you will help prevent possible 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 city authority, your household waste disposal service or the place where you purchased the product.

Deutsch

Vorschriften für die Entsorgung von elektrischen und elektronischen Geräten in Privathaushalten



Entsorgung von gebrauchten elektrischen und elektronischen Geräten
(In der Europäischen Union und anderen europäischen Ländern mit separaten Sammelsystemen anwendbar.)

Das auf dem Produkt angebrachte Symbol, bzw. die Symbole in den in der Packung beiliegenden Dokumenten, weisen darauf hin, dass dieses Produkt nicht als normaler Haushaltsmüll behandelt werden darf. Es muss deshalb an einer dafür vorgesehenen Sammelstelle abgeliefert werden, in der das Recycling von elektrischen und elektronischen Geräten durchgeführt wird.

Durch die ordnungsgemäße Entsorgung dieses Produkts tragen Sie dazu bei, dass unsere Umwelt und unsere Gesundheit nicht durch unsachgemäße Entsorgung negativ beeinflusst wird. Mit dem Recycling von Materialien tragen wir zur Bewahrung der natürlichen Ressourcen bei.

Für nähere Informationen hinsichtlich des Recyclings für dieses Produkt sprechen Sie bitte mit Ihrer zuständigen Behörde, Ihrer Hausmüll-Entsorgungsstelle oder dem Geschäft, wo Sie das Produkt gekauft haben.

Français

Consignes de mise au rebut des appareils électriques et électroniques dans les foyers privés



Mise au rebut des appareils électriques et électroniques
(Applicable dans l'Union Européenne et autres pays d'Europe ayant un système de récupération séparé)

Ce symbole apposé sur le produit ou dans les documents liés se trouvant dans l'emballage indique que ce produit ne doit pas être traité comme un déchet ménager normal. Il doit être porté à un point de récupération correct ou à un dépôt pour le recyclage des appareils électriques et électroniques.

En vous assurant que ce produit est correctement mis au rebut, vous aiderez à empêcher les conséquences possibles pouvant affecter l'environnement et la santé humaine, pouvant être causées par une mauvaise manipulation des déchets de ce produit. Le recyclage des matériaux favorise la conservation des ressources naturelles.

Pour des informations plus détaillées concernant le recyclage de ce produit, veuillez contacter les autorités locales, votre service de mise au rebut des déchets ménagers ou le lieu d'achat de votre produit.

Español

Instrucciones para eliminar equipos eléctricos y electrónicos de una casa privada



Eliminación de equipos eléctricos y electrónicos usados
(Normas aplicables en la Unión Europea y en otros países europeos con diferentes sistemas de recogida)

Este símbolo en el producto, o en los documentos relacionados, indica que este producto no deberá ser tratado como un residuo doméstico normal. En cambio, deberá ser llevado a un punto o lugar donde los equipos eléctricos y electrónicos sean recogidos para ser reciclados.

Asegurándose de que este producto sea eliminado correctamente, usted ayudará a impedir las posibles consecuencias negativas sobre el medio ambiente y la salud humana que podrían ser causadas por el manejo inapropiado de este producto como residuo doméstico. El reciclado de los materiales ayudará a conservar los recursos naturales.

Para conocer una información más detallada acerca del reciclado de este producto, póngase en contacto con las autoridades de su localidad, con su servicio de recogida de residuos domésticos o con el comercio donde adquirió el producto.

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PRODUCTS CONFORMING TO RoHS DIRECTIVE

Following products described in this manual are products conforming to RoHS directive.

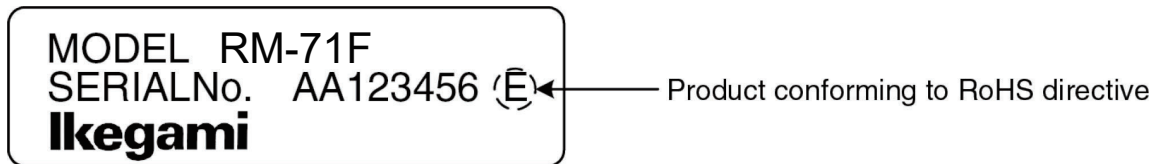
- **RM-71F Remote Control Panel**

MAINTENANCE OF PRODUCTS CONFORMING TO RoHS DIRECTIVE

Work with care about followings for maintenance of products conforming to RoHS directive.

1. Identification

- For products conforming to RoHS directive, the letter “E” is appended at the end of the serial number on the label. For models that the letter cannot be appended to the serial number, the letter “E” will be described in a distinguishable position on the label. A description example on a main label is shown below.



Label

- Print-circuit board of the products conforming to RoHS directive is manufactured by following methods.
 - [1] Blue resist ink is used for the print-circuit board. (The color of conventional print-circuit board is green.)
 - [2] Either one of the following marks is indicated by a serigraph or label.



Phase 3A



Phase 3

2. Soldering

Since the melting point of lead-free solder used for the products conforming to RoHS directive is 20 to 45 degrees Celsius higher than that of conventional solder with lead (Sn-Pb eutectic solder), a high temperature needs to be set to a soldering iron. Taking allowable temperature limit of the parts and stable work into consideration, use a soldering iron with excellent thermal recovery characteristics.

- Recommended solder composition is “Sn/3.0Ag/0.5Cu” or equivalent.
- Separate the soldering iron exclusively for RoHS products and the soldering iron for conventional use.
- Set the temperature of the soldering bit to 350 to 370 degrees Celsius.
The temperature may need to be adjusted according to the size of the copper foil land on the print-circuit board and the tip width of the soldering bit.
- Finish by a lead-free solder looks dull or whitish compared to conventional solder with lead.

3. Parts

Be sure to use parts conforming to RoHS directive

INFORMATION TO USERS

1. 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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

Supplier's Declaration of Conformity

47 CFR §2.1077 Compliance Information

Product Name : Remote Control Panel
Model Name : RM-71F
Responsible Party : Contact Information
: Ikegami Electronics (U.S.A.) Inc
300 Route 17 South, Mahwah, NJ 07430, USA
Tel : 201-368-9171

2. Declaration of conformity



The CE mark means that the following products will meet and the Standards EN55032, EN55035.

For European customer.





SAFETY PRECAUTIONS

This manual describes the precautions using various pictorial symbols for you to use the product safely. Please read these precautions thoroughly before use. The symbols and meanings are as follows:


The following hazard alert symbols are used to indicate the level of impact on the body or property when you do not follow the precautions.

 WARNING	Indicates that mishandling of the product by ignoring this label may lead to a danger resulting in a serious injury or death.
 CAUTION	Indicates that mishandling of the product by ignoring this label may lead to a danger resulting in an injury or property damage.


The following symbols are used to indicate the expected injury or hazards when you do not follow the precautions.

	Indicates general cautions on such matters as safe work, procedure, and installation location. Mishandling may not directly lead to death, injury, or property damage.
	Indicates that mishandling may cause an electric shock.
	Indicates that mishandling may cause a fire.
	Indicates that mishandling may cause injury.

The following symbol is used to indicate other precautions to prevent damage or hazard from occurring:

	Indicates prohibited action.
---	------------------------------

■ Handling Precautions

 **WARNING**

Regarding the Product



Do not disassemble or modify the product which is not described in this manual. Doing so may cause fire, electric shock, or injury.

Regarding the Power



When you disconnect the cable, be sure to hold the plug and pull. Failure to do so may cause a fire or electric shock due to a damaged cable.



To inspect or operate on the inside of the equipment, turn off the power and wait for one or two minutes before starting work. High voltage is present in some modules and connectors of this product.

 **CAUTION**

Regarding the Product



- Avoid use or storage in the following conditions:
- Extremely high/low temperature
 - In direct sunlight for a long time, or near a heater
 - High humidity or dusty
 - Exposed to water or other liquid
 - Strong vibration or shock
 - Strong magneticfield or radio waves
 - lightning
 - In rain without the rain cover

Be sure to hold the plug and pull when you disconnect the cable. Failure to do so may cause a fire or electric shock due to a broken cable.

Avoid moving the equipment suddenly from an extremely cold place to a warm place. Condensation may occur in the Charged Couple Device (CCD) or other parts.

Do not drop or insert a metal object such as a pin or a foreign object into the equipment.

Do not spread or spill water or other liquid on the equipment.

Do not subject the equipment to a strong shock or vibration. Doing so may cause damage or malfunction of the equipment.

HOW TO READ THE OPERATION MANUAL

This page explains general notes on reading the RM-71F Operation Manual, and the symbols and notations used in the manual.

■ **Notes on the Manual**

- This manual is written for readers with a basic knowledge of handling a broadcast camera, CCU, etc.
- The contents of this manual are subject to change without notice in the future.

■ **Symbols**

The symbols used in this manual are as follows.

Caution:	Things you have to be careful during operation. Be sure to read.
Note:	Supplementary information or guidance
Reference:	Sections where related information is available

■ **Notations**

The following notations are used in this manual.

This product, RM	Indicates RM-71F Remote Control Panel
Camera	Indicates general broadcast cameras.

■ **Illustrations and Displays**

The illustrations and displays in the text are provided for explanation and may be slightly different from the actual equipment or image.

■ **Related Manuals**

Refer to the operation manuals and maintenance manuals accompanying the camera head, CCU, and each control panel to be used.

RM-71F

Operation Control Panel

OPERATION MANUAL

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Changing Information

1. Outline

1.1 Outline

This control panel is customized for Helicopter-Mountable 4K-Compatible Camera (UHL-F4000). As this control panel is specialized for helicopters, it is compact and lightweight. In addition, its overall usability including newly equipped functions for the UHL-F4000 is improved by reviewing the user interface of the existing control panel, RM-70F.

1.2 Features

- **Focusing on the operability of the functions dedicated for the helicopter camera**

The user interface is created considering the operability of the functions dedicated for the helicopter camera including AVC and AIW as well as digital zoom, defog, image sharpening, digital noise reducer function, etc.

- **Compatibility with an existing control panel**

Its design makes it easy to replace by applying the control panel of the same size (90.7×151×63mm) as the existing RM-70F and the same I/O. Some functions are not compatible with RM-70.

- **Implementation of shortcut functions**

Basing on the know-how accumulated over many years, the operability of the frequently used functions (ND · CC · GAIN · SHUT · CUTOFF · digital zoom, etc.) are improved by implementing the shortcut functions that call the operation part as direct switches.

- **Equipped with customizable switches**

It is possible to assign the functions required by operators and operation scenes by equipping with the switches that users can customize as they want.

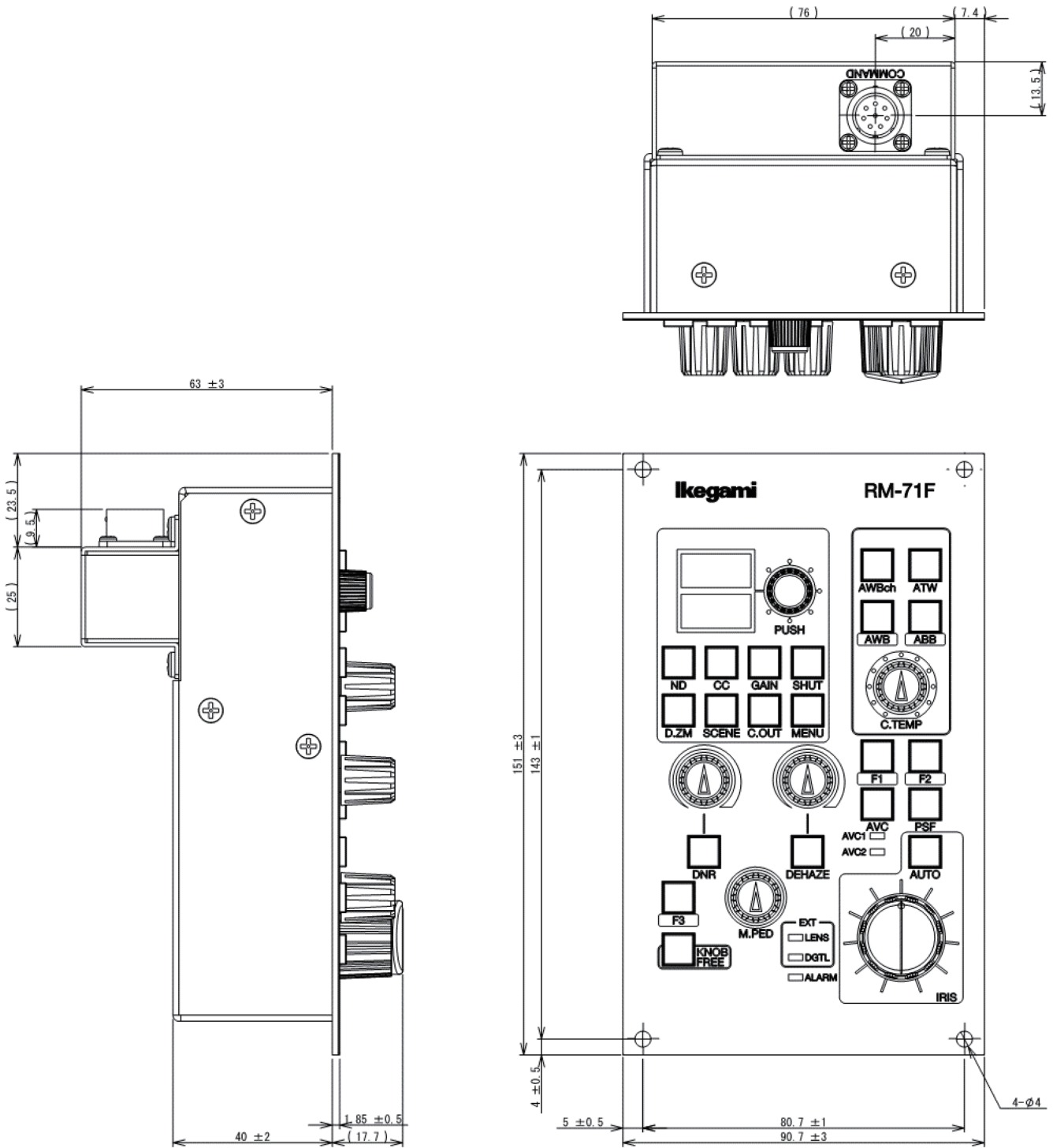
- **Supporting various functions**

Arranging the rotary encoder knob with a push switch and two displays enable to support multifunctional operation including the menu operation and customization setting of the panel besides the ON/OFF control of the camera.

Note: Switches of the RM and control functions become inoperable if the connecting camera does not have the corresponding functions.

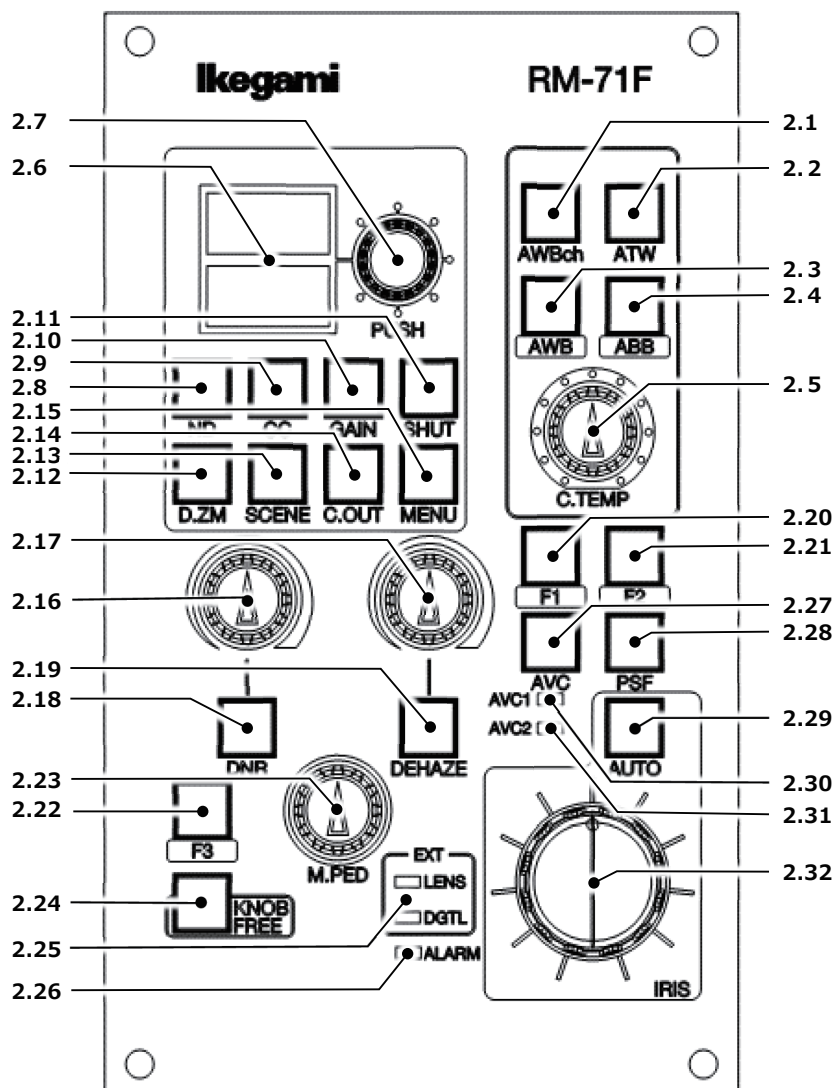
Reference: Refer to the instruction manual of the camera for functions that can be operated.

1.3 External View



2. Name and Function of Each Part

This section describes the name and function of various parts.



2.1	AWBch switch	2.17	DEHAZE control
2.2	ATW switch	2.18	DNR switch
2.3	AWB switch	2.19	DEHAZE switch
2.4	ABB switch	2.20	F(User Function)1 switch
2.5	C.TEMP control	2.21	F(User Function)2 switch
2.6	Character indicator	2.22	F(User Function)3 switch
2.7	Rotary switch	2.23	MASTER PED control
2.8	ND switch	2.24	KNOB FREE switch
2.9	CC switch	2.25	EXT indicator
2.10	GAIN switch	2.26	ALARM indicator
2.11	SHUT switch	2.27	AVC switch
2.12	D.ZM switch	2.28	PSF switch
2.13	SCENE switch	2.29	AUTO IRIS switch
2.14	C.OUT switch	2.30	AVC1indicator
2.15	MENU switch	2.31	AVC2indicator
2.16	DNR control	2.32	IRIS control

2.1 AWBch switch

Switches the memory channel of AWB (Auto White Balance).

When switching the channel, use the character indicator and the rotary switch.

2.2 ATW switch

Executes the ATW function.

2.3 AWB switch

It performs AWB (Auto White Balance).

When AWB is completed, the lamp lights off. When AWB fails, the lamp blinks.

After checking the failed state, press the blinking switch again to reset the failed state. Long-press the AWB switch to perform Quick AutoSetup.

2.4 ABB switch

It performs ABB (Auto Black Balance).

When ABB is completed, the lamp lights off. When ABB fails, the lamp blinks.

After checking the failed state, press the blinking switch again to reset the failed state.

2.5 C.TEMP control

Controls the color temperature correction (C.TEMP).

2.6 Character Indicator

It indicates the status of functions.

2.7 Rotary Switch

It is used for selecting and changing the functions indicated on the character indicator.

2.8 ND switch

Switches the ND filter control ON/OFF.

To change ND filter position. Use the character indicator and the rotary switch.

2.9 CC switch

Switches the CC filter control ON/OFF.

To change CC filter position. Use the character indicator and the rotary switch.

2.10 GAIN switch

Switches the GAIN setting.

To select gain setting. Use the character indicator and the rotary switch.

2.11 SHUT switch

Switches the SHUTTER speed.

To select shutter speed. Use the character indicator and the rotary switch.

2.12 D.ZM switch

Switches the DIGITAL ZOOM control ON/OFF.

To select magnification. Use the character indicator and the rotary switch.

2.13 SCENE File Switch

It saves and loads the scene files 1 to 8.

When selecting the scene files, the character indicator and the rotary switch are used.

Reference: Refer to "5. Rotary Switch" for the method to save the scene files.

The scene file ON state is indicated when the switch is lit on. The scene file OFF state is indicated when the switch is lit off. In addition, holding down the switch saves the scene file.

Note: To set controls to the center after loading a scene file, use the knob free function.

2.14 C.OUT switch

This switch outputs the video with the center of the screen being cut out.

2.15 MENU switch

Turns ON / OFF the MENU.

Use the character indicator and the rotary switch.

Reference: Refer to "4. Menu Operation from RM".

2.16 DNR control

Controls the level of the digital noise reducer.

2.17 DEHAZE control

Controls the level of the dehaze function.

2.18 DNR switch

Turns ON/OFF the digital noise reducer function.

2.19 DEHAZE switch

Turns ON/OFF the dehaze function.

2.20 F(User Function)1 switch

The On/Off status of various functions can be controlled by these user function switches.

Reference: Refer to "3. F. Switch" for the method to allocate functions.

2.21 F(User Function)2 switch

The On/Off status of various functions can be controlled by these user function switches.

Reference: Refer to "3. F. Switch" for the method to allocate functions.

2.22 F(User Function)3 switch

The On/Off status of various functions can be controlled by these user function switches.

Reference: Refer to "3. F. Switch" for the method to allocate functions.

2.23 MASTER PED control

It controls the master pedestal level.

2.24 KNOB FREE switch

When pressed the VR controls can be rotated without changing the control function.

2.25 EXT indicator

It indicates the extender state.

LENS : It lights up when the lens extender is "ON."

DGTL : It lights up when the digital zoom is "ON."

2.26 ALARM indicator

It blinks when alarm is detected by the self-diagnosis function.

2.27 AVC switch

Press this switch to switch the AVC function as shown below.

OFF ⇒ AVC1 ⇒ AVC2 ⇒ (AVC3 ⇒ AVC4 ⇒) ⇒OFF

The actions within the parenthesis () depend on the setting of the panel configuration.

2.28 PSF switch

Executes the PSF function.

2.29 AUTO IRIS switch

This switch can switch between AUTO and MANUAL for IRIS MODE.

It lights up in the AUTO IRIS mode.

2.30 AVC1 indicator

Lights up in AVC mode 1, and blinks in AVC mode 3.

2.31 AVC2 indicator

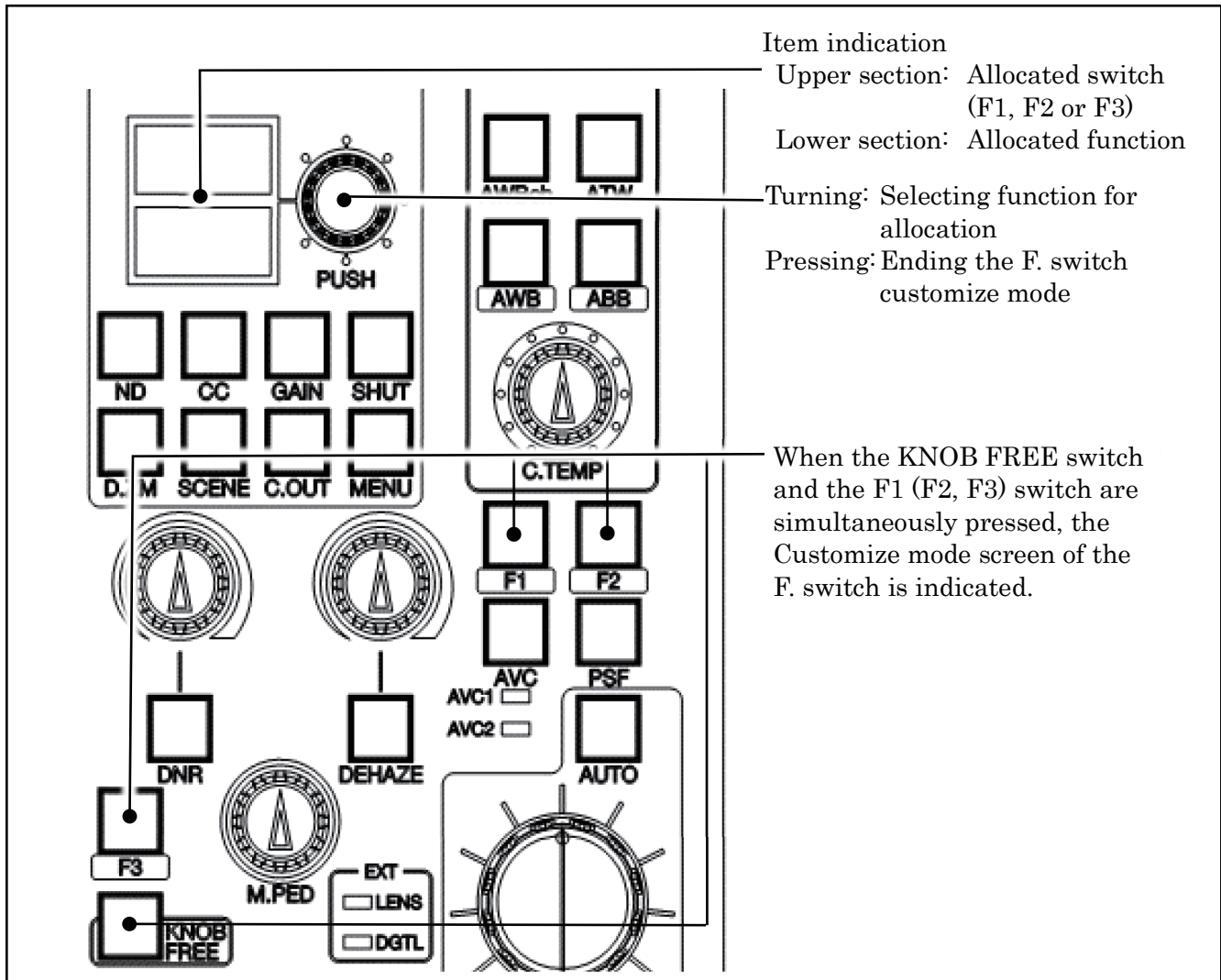
Lights up in AVC mode 2, and blinks in AVC mode 4.

2.32 IRIScontrol

It controls the lens iris. During AUTO IRIS, it controls the iris by approximately in AUTO IRIS mode +/- 1 stop.

3. F. Switch

The RM-71F allows the user to assign the function of two switches, the F1 and F2 switches.



3.1 F. Switch Customize Function

1. When the F. switch (F1, F2 or F3) is pressed for approximately 2 seconds while the KNOB FREE switch is also pressed, the F. switch customize mode starts.
2. As an initial state of the F. switch customize mode, the switch name to be customized is indicated at the upper section of the indicator and the function currently being allocated is indicated at the lower section of the indicator.
3. When turning the rotary switch, functions to be allocated to the F. switch can be selected.

* As soon as a function is allocated to the F switch, the state of the allocated function is reflected on the LED.

4. When the F. switch is pressed in the F. switch customize mode, turning the allocated function on and off is possible.
5. Pressing the rotary switch will allocate the function selected in Step 3, and it will end the F. switch customize mode.

3.2 List of Switch Functions

Item	Indicated Letters	Function	Remarks
Empty	EMPT	No function	
BARS	BARS	BARS ON/OFF	
CAP	CAP	CAP ON/OFF	
CAL	CAL	CAL 100%/200%/OFF	The button flushes at 200%.
Knee	KNEE	Knee ON/OFF	
Auto Knee	AKNE	Auto Knee ON/OFF	
Flare	FLR	Flare ON/OFF	
DTL	DTL	DTL ON/OFF	
Soft DTL	SOFT	Soft DTL ON/OFF	
Skin DTL	SKIN	Skin DTL ON/OFF	
Hi-Light DTL	HDTL	Hi-Light DTL ON/OFF	
White Clip	WCLP	White Clip ON/OFF	
Matrix	MTRX	Matrix ON/OFF	
Color SAT	CSAT	Color SAT ON/OFF	
Color CORR	CCOR	Color CORR ON/OFF	
VR Clear	VRCL	VR Clear execute	Long press
AVC1	AVC1	AVC1 ON/OFF	
AVC2	AVC2	AVC2 ON/OFF	
AVC3	AVC3	AVC3 ON/OFF	
AVC4	AVC4	AVC4 ON/OFF	
Digital Zoom	D.ZM	Digital Zoom ON/OFF	
CUTOUT	CUT	CUTOUT ON/OFF	The center part is fixed.
Sharpness	SHRP	Sharpness ON/OFF	
SCENE FILE	SCEN	SCENE ON/OFF	Calling the scene number set
FILTER HOLD	HOLD	FILTERHOLD ON/OFF	
FCUS ASSIST	FUCS	FCUS ASSIST ON/OFF	

Default setting F1: BARS/F2: Digital Zoom/F3: FCUS ASSIST

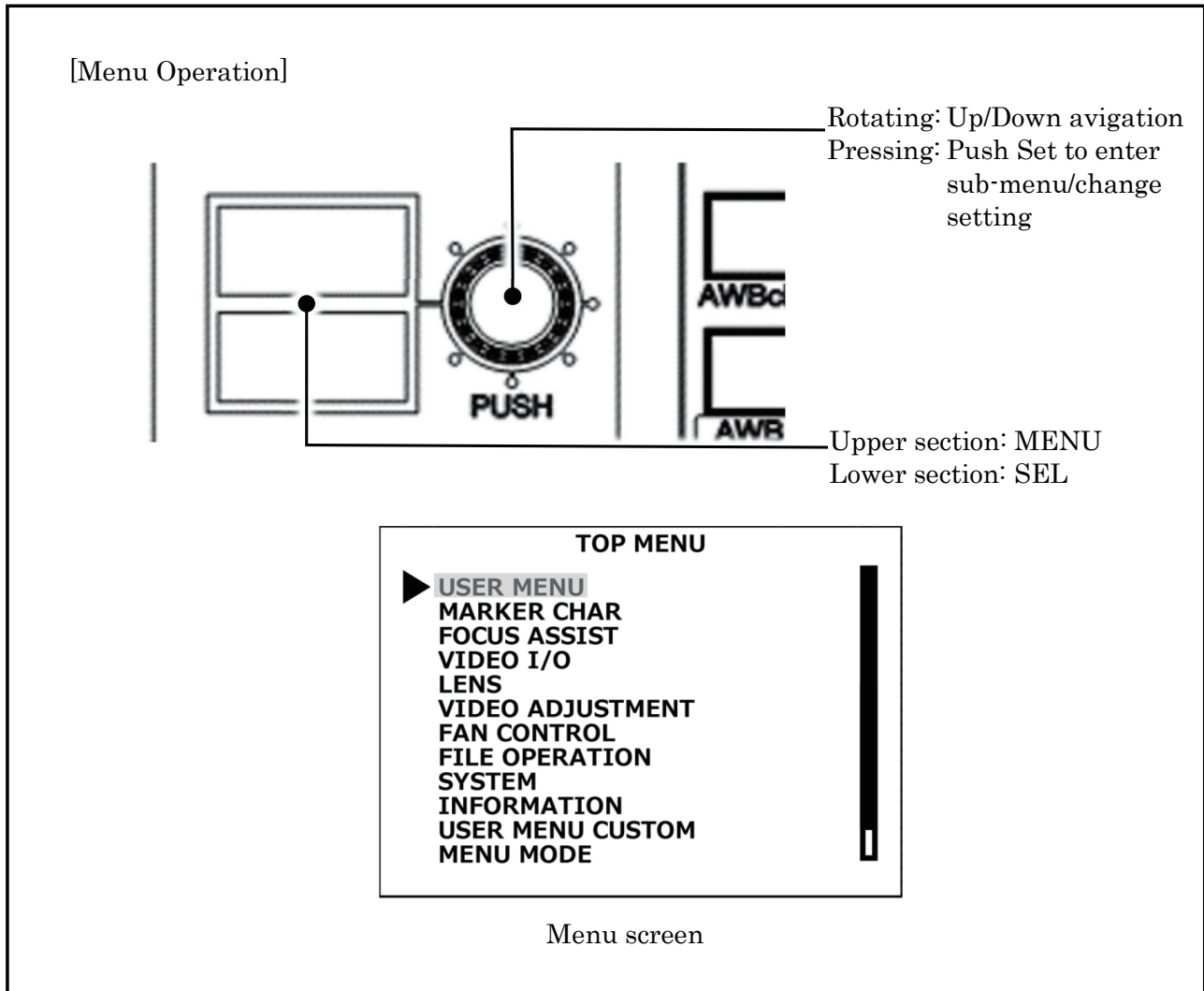
3.2.1 VR Clear Operation

Allocating "VR Clear" to the F. switch will clear the data that the user adjusted.

4. Menu Operation from RM

The menu of the camera head can be operated with the MENU switch.

4.1 Camera Menu Operation

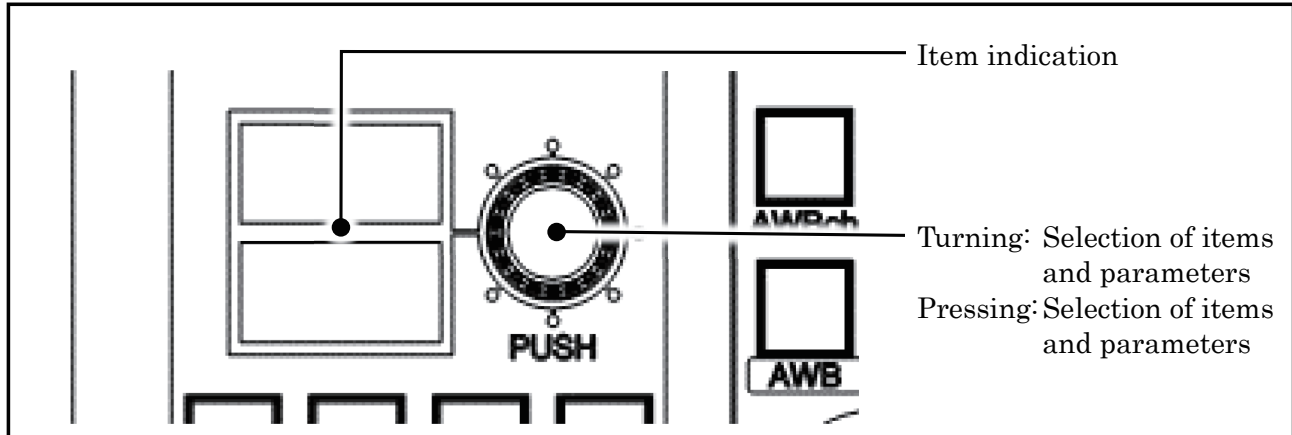


1. When the MENU switch is pressed for approximately 2 seconds, the menu operation mode starts, and the menu screen of the camera is displayed.
2. As the initial state of the menu operation mode, "MENU" is indicated at the upper section of the indicator, and "SEL" is indicated at the lower section of the indicator.
3. Navigate the menu by turning the rotary switch.
4. Enter a sub-menu and set a change by pressing the rotary switch.
5. Pressing the MENU switch again can ends the menu operation mode.

5. Rotary Switch

The rotary switch enables various functions to be selected and set.

5.1 Selection and Setting of Rotary Switch Functions



<Selection and Operation with Rotary SW>

1. Turn the rotary switch to select the item to be controlled in the upper section of the item indicator.
2. When the rotary switch is pressed, the function setting at the lower section of the indicator starts blinking. Then changing the setting of the function becomes possible.
3. Turn the rotary switch again and set the function.
4. Press the rotary switch to exit the setting of the function.

<Direct SW operation>

When you select the following each direct SW, operation with the rotary SW will be enabled immediately.

ND/ECC/GAIN/SHUT/D.ZM/GAMMA/B.STR/MENU switch

1. Select a direct SW, and the items and the current state will be displayed in the upper and the lower parts of the indicator respectively.
2. Turn the rotary SW and switch the parameter.

*The LED lighting condition of each direct SW changes as follows.

- Operation selected : LED green (bright) lighting
- Operation deselected
 - Function standard : LED green (dark) lighting (Shaded items in standard.)
 - Function non-standard : LED amber color

5.2 List of Rotary Switch Functions

Item	Indicated Letters	Function	Remarks
ND	ND	Select	1, 2, 3, 4
CC	CC	Select	A, B, C, D
Step Gain	Gain	Select	-6, -3, 0, +3, +6, +9, +12, +18, +24, +30, +36, +42, +48, +54, +60, +66, +72
Step Gamma	Gamm	Select	OFF, 0.45, 0.40, 0.35
Gamma Mode	GMod	Select	NOR, CSTM1, CSTM2, CSTM 3 , CSTM4, CSTM5
BLK STR/PRS	Bkst	Select	-11, -9, -7, -5, -3, OFF, +3, +5, +7, +9, +11
AWB ch	AWB	Select	Bch, Ach, OFF
Shutter Mode	Shut	Select	OFF/PRE/VAR
Shutter Speed	Sped	Select	OFF, 2, 3, 4, 5, 6, 8, 10, 12, 15, 30, 100, 120, 125, 250, 500, 1000, 2000, 4000, 10K
Digital Zoom	D.ZM	Select	OFF, X1.1 to x10.0 (0.1 increments)
DTL	DTL	ON/OFF	
Flare	FLR	ON/OFF	
Knee	KNEE	ON/OFF	
Super Knee	SPKn	Select	OFF, LOW, MID, HIGH
Smooth Knee	SMKn	Select	OFF, 1 to 3
White Clip	WCLP	ON/OFF	
Color SAT	CSAT	ON/OFF	
SCENE FILE	SCEN	Select	1 to 8
SCENE FILE	SCEN	ON/OFF	
CUTOUT	CUT	ON/OFF	
FILTER HOLD	HOLD	Select	
Sharpness	SHRP	ON/OFF	
Sharpness	SHRP	Select	0 to 15

Standard Setting

5.3 SCENE FILE Setting Method

With the rotary switch scene files 1 to 8 can be selected. Pressing the SCENE switch enables saving and loading of the scene file which has been selected.

[SCENE FILE saving method]

1. Press the SCENE switch to select "SCENE" at the upper section of the indicator.
2. Turn the rotary switch and select the FILE number to be set, shown at the lower section of the indicator.
3. Hold down the SCENE switch for about 2 seconds.
4. The scene file selected in Step 2 is saved.

[SCENE FILE loading method]

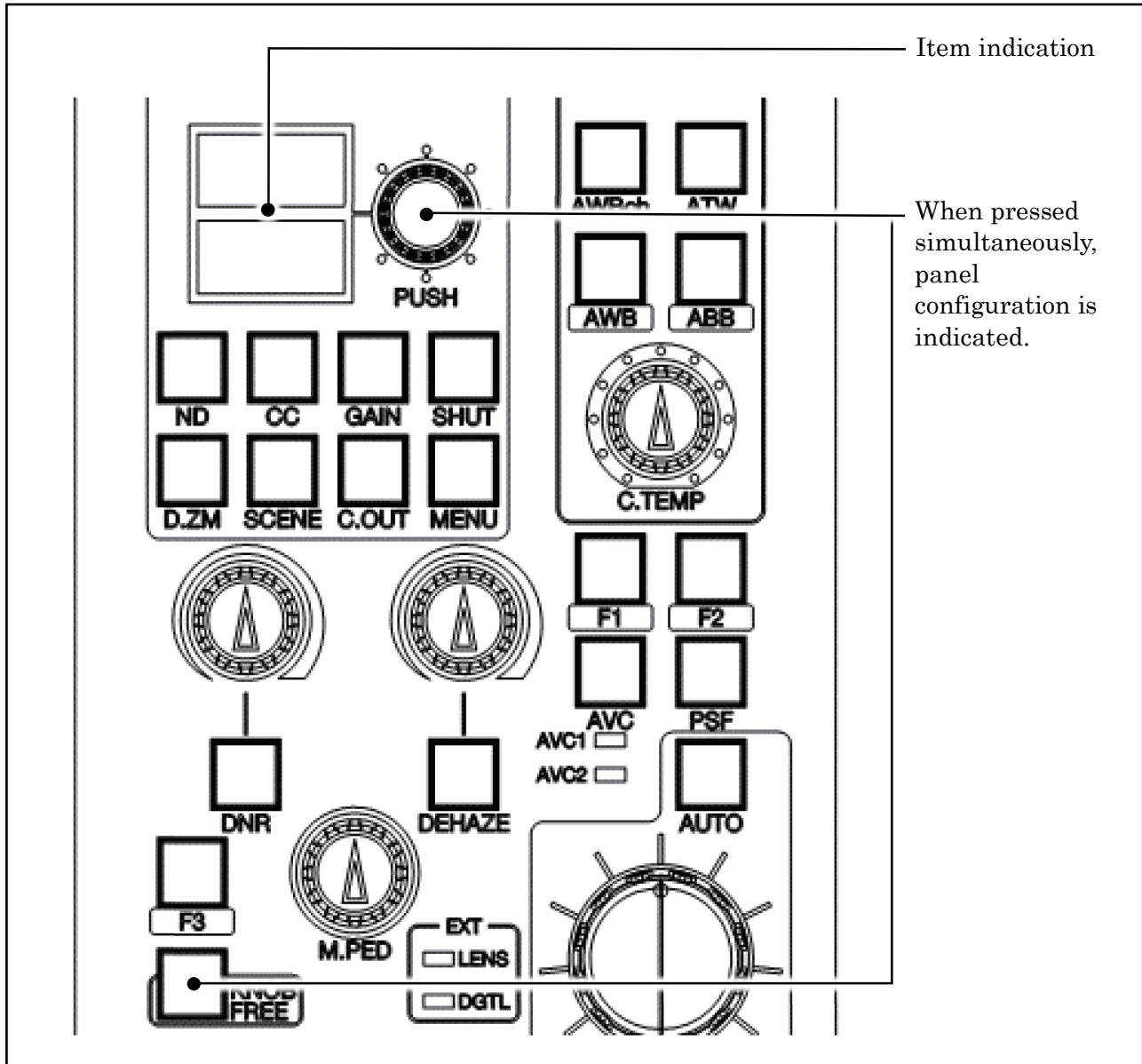
1. Press the SCENE switch to select "SCENE" at the upper section of the indicator.
2. Turn the rotary switch to select the file number you want to load by operating the bottom section of the display. Then press the rotary switch.
3. Turn the rotary switch to turn ON or OFF, then press the rotary switch. The FILE number selected in Step 2 is now allocated to the SCENE file switch and ON/OFF operation becomes available.

Note: When the FILE number is switched while a SCENE file is already ON, the switched scene file is loaded the next time the Scene switch is pressed.

6. Panel Configuration

The RM-71F has many functions, and its operation and settings can be setup to meet the user's requirements.

6.1 Panel Configuration Menu



1. Press the rotary switch and the Knob Free switch simultaneously for approximately 2 seconds. After two seconds, the upper section of the item indication area indicates the STR number, and the lower section indicates the checksum of the software version.
2. After indication of the STR number, the panel configuration menu is indicated.
 - * Turning or pressing the rotary switch, will skip indication of the STR number and checksum.

3. After the menu indication, setting items can be selected by turning the rotary switch.
4. Press the rotary switch and the setting of the selected item starts blinking.
5. Next the setting can be changed by turning the rotary switch.
6. When the desired setting is displayed, push the rotary switch.
7. Exit the Panel Configuration menu by selecting Exit and pressing the rotary switch. Or press the Knob Free switch and rotary switch simultaneously.

6.2 List of Panel Configuration Settings

Item	Function	Mode
IRIS MODE	Select	ABS(Absolute value control)
MPED RANGE	Select	STD、1/2、1/4、OFF
VR DISP	VR value display *	ON、OFF
BUZZER	Select	STD、ATT、OFF
AVC SELECT	Select	1-2、1-4
ADJUST MODE	IRIS operation position adjustment function	
USER MODE	Select	COMP、BASIC
RAM CLR	Select	MENU、ALL
EXIT	Menu mode Exit	

* VR value display ON / OFF is, DNR · DEHAZE function only.

(M.PED · IRIS is no display)

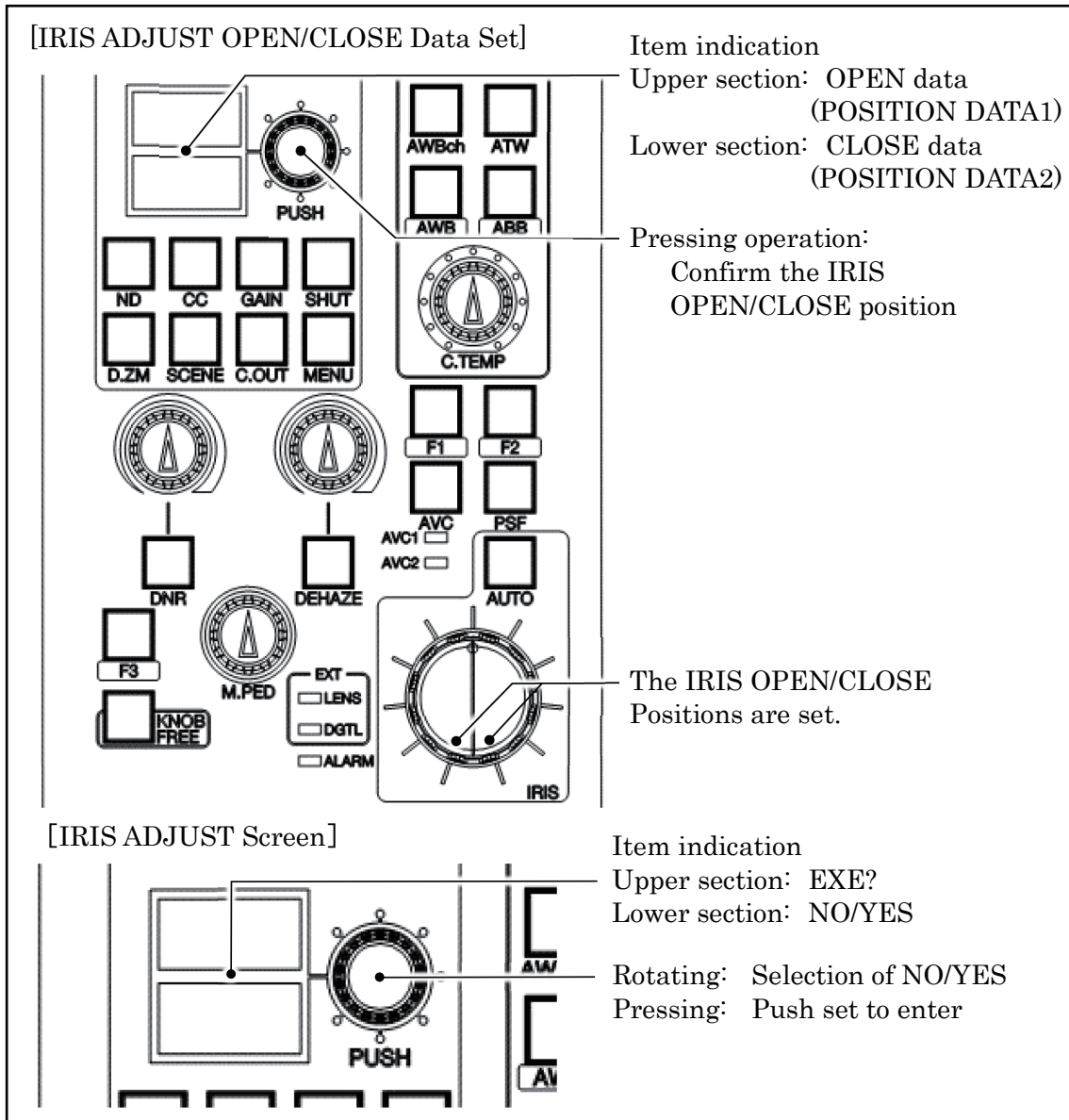
Standard Setting

6.3 IRIS Position Adjustment Function

It is possible that the lens iris is not at the OPEN/CLOSE end when the RM iris is at the OPEN/CLOSE end, even under full range operation. The RM-71F has a function to recognize the OPEN/CLOSE end positions of the iris in the panel configuration menu, and correct the difference with the camera head lens iris value.

Caution : With the camera LENS ADJUST function, check that the iris F stop control is correct at the camera head. Please note, the open/close end positions are already adjusted for the RM-71F at the factory prior to shipment.

Reference : For the LENS ADJUST function, refer to the operation manual of the connected camera. Some cameras do not have the LENS ADJUST function.



1. Select "ADJUST MODE" under the panel configuration menu.
2. On the character indicator, "POS1" is indicated at the upper section and "POS2" at the lower section.
3. Align the IRIS position to the OPEN end and press the rotary switch. ("POS1" indicated at the upper section of the character indicator changes to "OK.")
4. Align the IRIS position to the CLOSE end and press the rotary switch. ("POS2" indicated at the lower section of the character indicator changes to "OK.")
5. Two seconds after both upper and lower sections of the character indicator indicate "OK," the upper section changes to "EXE?" and the lower section changes to "NO" on the indicator.

6. When the rotary switch is rotated and operated, Yes and No can be switched. To finalize the setting, select "Yes." To cancel, select "No." Then, press the rotary switch.
7. When "YES" is selected, execute the IRIS ADJUST setting. The panel restarts. When "No" is selected, the panel returns to the top page of the panel configuration.

6.4 Limit Functions (Control Depth)

By selecting the operation from two modes, [COMPLETE or BASIC] under "USER MODE" of the panel configuration menu, the selection for the F1 and F2 switches, as well as, the selection for the rotary switch can be limited. All functions are available in the COMPLETE(indication: COMP) mode, and limited functions are available in the BASIC(indication: BSIC) mode as indicated in the lists " 6.4.1 and 6.4.2".

6.4.1 List of Limited Functions for F. Switch Selection

Item	Function	Mode
Empty	No function	BASIC
BARS	BARS ON/OFF	BASIC
CAP	CAP ON/OFF	BASIC
CAL	CAL 100%, 200%, OFF	BASIC
Knee	Knee ON/OFF	
Auto Knee	Auto Knee ON/OFF	BASIC
Flare	Flare ON/OFF	
DTL	DTL ON/OFF	
Soft DTL	Soft DTL ON/OFF	
Skin DTL	Skin DTL ON/OFF	
Hi-Light DTL	Hi-Light DTL ON/OFF	
White Clip	White Clip ON/OFF	
Matrix	Matrix ON/OFF	
Color SAT	Color SAT ON/OFF	
Color CORR	Color CORR ON/OFF	
VR Clear	VR Clear execute	BASIC
AVC1	AVC1 ON/OFF	BASIC
AVC2	AVC2 ON/OFF	BASIC
AVC3	AVC3 ON/OFF	BASIC
AVC4	AVC4 ON/OFF	BASIC
Digital Zoom	Digital Zoom ON/OFF	BASIC
CUTOUT	CUTOUT ON/OFF	BASIC
Sharpness	Sharpness ON/OFF	BASIC
SCENE FILE	SCENE ON/OFF	BASIC
HOLD	FILTER HOLD ON/OFF	BASIC
FCUS	FCUS ASSIST ON/OFF	BASIC

6.4.2 List of Limited Functions for Rotary Switch

Item	Function	Mode
ND	Select	BASIC
CC	Select	BASIC
Step Gain	Select	BASIC
Step Gamma	Select	BASIC
Gamma Mode	Select	
BLK STR/PRS	Select	BASIC
AWB ch	Select	BASIC
Shutter Mode	Select	BASIC
Shutter Speed	Select	BASIC
Digital Zoom	ON/OFF	BASIC
DTL	ON/OFF	
Flare	ON/OFF	
Knee	ON/OFF	
Super Knee	Select	
Smooth Knee	Select	
White Clip	ON/OFF	
Color SAT	ON/OFF	
SCENE FILE	Select	BASIC
SCENE FILE	ON/OFF	BASIC
CUTOUT	Select	BASIC
FILTER HOLD	Select	BASIC
Sharpness	ON/OFF	BASIC
Sharpness	Select	BASIC

7. Specification

7.1 Rating

Power supply	+12V (+9V to 18V)
Consumed power	3W
Max. cable length	300m
Operation temperature	0°C to +45°C
Storage temperature	-25°C to +60°C
Operation humidity range	30% to 90% (no condensation)
Outside dimension	90.7×151×63mm (Excluding the mounting part)

7.2 Applicable standard

Safety standard	CE / FCC
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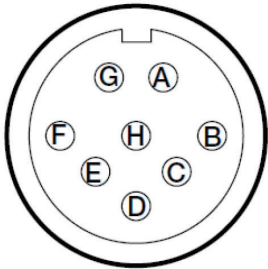
7.3 Operating condition

Electrical environment	Normal living area (excluding strong electric field, strong magnetic field, etc.)
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7.4 Pin Function of External Connector

7.4.1 COMMAND Connector

— SEAT —



Connector to input/output various signals between BS/CCU and CP HUB.

Main body side: EPRC05-R8M

Cable side: EPRC05-199P9-8F (8-pin female plug) or equivalent

Insert side

Pin No.	Name	Function	Direction	External Interface
A	HED (+)	Serial command from BS/CCU to OCP Data input (+)	IN	
	A	Network command between CP HUB and OCP Data input/output (A)	IN/OUT	
B	HED (-)	Serial command from BS/CCU to OCP Data input (-)	IN	
	B	Network command between CP HUB and OCP Data input/output (B)	IN/OUT	
C	HEC (+)	Serial command from OCP to BS/CCU Data output (+)	OUT	
D	HEC (-)	Serial command from OCP to BS/CCU Data output (-)	OUT	
E	+12V IN	DC+12V power supply input	IN	
F	+12V RET	Grounding DC+12V power supply input	OUT	
G	NC	-----		
H	NC	-----		

Changing Information

RM-71F

Remote Control Panel

Operation Manual

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Ikegami

Ikegami Tsushinki Co., Ltd.

5-6-16, Ikegami, Ohta-ku, Tokyo, 146-8567, Japan
Phone : +81-(0)3-5700-4114 Fax : +81-(0)3-5748-2200
E-Mail : info_e@ikegami.co.jp
URL : <https://www.ikegami.co.jp/en/>

Ikegami Electronics (U.S.A.),Inc.

300 Route 17 South, Mahwah, New Jersey 07430, U.S.A.
Phone : +1-201-368-9171 Fax : +1-201-569-1626
E-Mail : engineering@ikegami.com, service@ikegami.com
URL : <https://www.ikegami.com>

Ikegami Electronics (Europe) GmbH

Ikegami Strasse 1, D-41460 Neuss, GERMANY
Phone : +49-(0)2131-123-0 Fax : +49-(0)2131.102820
E-Mail : info@ikegami.de
URL : <https://www.ikegami.de>

Ikegami Electronics Asia Pacific Pte.Ltd.

1 Tampines Central 5, #06-04 CPF Tampines Building,
Singapore 529508
Phone : +65-6260-8820 Fax: +65-6260-8896
URL : <https://sg.ikegami.co.jp>

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