LDK 4607
Master Control Panel

Operator's Manual

Contents

The six modes, OPERATE, SETUP, MAINT, FILES, COMMON and DIAGNOSE give access to the different sets of functions. Press one of these switches to select a mode.

The name of the mode selected is highlighted

To switch on, place the power switch in the position 1

Select a camera to work with by pressing one of these eight switches. The LED in the corner of the switch lights to indicate the camera chosen.

When the MCP is switched on the message "PLEASE SELECT CAMERA" appears on the display. The software version number is also displayed.

The number of the selected camera is shown in the corner of the display

Use the arrow keys shown here to move the triangular cursor around the display until it points to the required function

Use the Monitoring Switches to select R,G,B or Preset. Preset can be selected on display

Lights when the selected camera is controlled by the OCP only

Lights when the selected camera is receiving power and is connected to the two-wire data bus

The red LEDs light when the selected camera is on-air. The yellow LEDs light when the selected camera signal is being used

Insert the memory card into this slot

Use the PXM/WFM switch to allow the picture and waveform monitors to follow the selected camera. The LED lights when the follow mode is enabled.

Warnings and messages

Press the local switch to allow direct MCP control of the selected camera.

Use the call switch to call the selected camera. The call LED lights when the cameraman calls

The lefthand column shows analogue functions

When an analogue function is selected by the cursor...

OPERATE		SETUP 1 ▾	MAINT 1 ▾	FILES	COMMON	DIAGNOSE
▶ GAIN	50	50	50	COL. TEMP	3200K	MON	CVBS
BLACK	50	50	50	AUTOBLACK	OFF	BARS	OFF
KNEE	00	..	10	KNEE	VAR	EXPOSURE	NOM
CONTOUR			50	CONTOUR	VAR	FILTER	CLEAR
GAMMA			76	GAMMA	1	GAIN	0
BL. STR.			50	BL. STR.	OFF	AUTO IRIS	ON

... the name and value of that function are displayed here

GAIN **50** **50** **50** **50** **4.0**
RED **GREEN** **BLUE** **MASTER BLACK** **IRIS**

This control knob, which varies the focus, only works with the LDK 9000 camera system.

The value of the analogue function shown is adjusted with these three control knobs. The value ranges from 00 to 99.

This control knob varies the master black level in the range 00 to 99.

This control knob varies the iris. The display shows the F-stop.

These two columns show switch functions

OPERATE		SETUP 1 ▾	MAINT 1 ▾	FILES	COMMON	DIAGNOSE
GAIN	50	50	50	COL. TEMP	3200K	▶ MON	CVBS
BLACK	50	50	50	AUTOBLACK	OFF	BARS	OFF
KNEE	00	..	10	KNEE	VAR	EXPOSURE	NOM
CONTOUR			50	CONTOUR	VAR	FILTER	CLEAR
GAMMA			76	GAMMA	1	GAIN	0
BL. STR.			50	BL. STR.	OFF	AUTO IRIS	ON

GAIN **50** **50** **50** **50** **4.0**
RED **GREEN** **BLUE** **MASTER BLACK** **IRIS**

When a switch function with multiple choices is selected a pop-up menu appears on top of the switch columns

When a switch function with two choices is selected press the centre key of the function selection keys to switch the function indicated by the cursor

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Use the arrow keys to move the cursor to the switch position you want.

Use the centre key to make the pop-up menu disappear

The pop-up menu displays the choices available for the switch function

MON		
CVBS	Y	R
SUP	SEQ	G
EXT1	EXT2	B
Y/EXT1	Y/EXT2	

for example, the monitoring selection menu

Different Cameras

The set of functions which can be changed is dependent on the type of camera. For example, the filterwheel position can be selected on the MCP for the LDK 9 camera head but not for the LDK 91. The menus shown on the following pages apply to an LDK 20P camera with the latest system software. Some of the functions shown may not be available on your camera.

In the common mode only those functions which are common are displayed when they are relevant to the type of camera. When transferring values from one camera to another, only those values relevant to the type of camera are transferred.
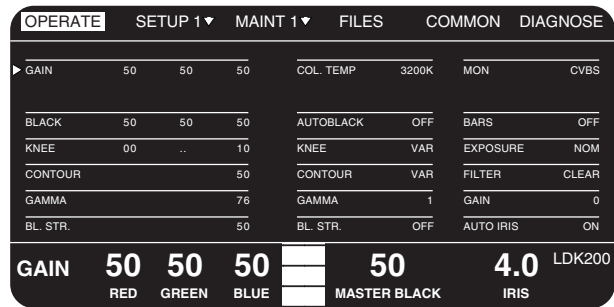
Camera Number

The number of the selected camera and the type number (for example, LDK 20P) of that camera are shown in the lower righthand corner of the MCP display. The number shown corresponds with the camera assignment number set during installation. For more information on setting the camera assignment number refer to the installation manuals of the Series 9000 modules.

Menus

Initially, six menu names are listed across the top of the MCP display. These menus give access to different sets of functions. Sometimes an analogue function may be shown with dotted lines. This means that the function has been disabled. The purpose of most of the MCP functions is self-evident. The following pages do not attempt to explain each function, but seek to give an insight into those functions which might not be familiar to the operator.
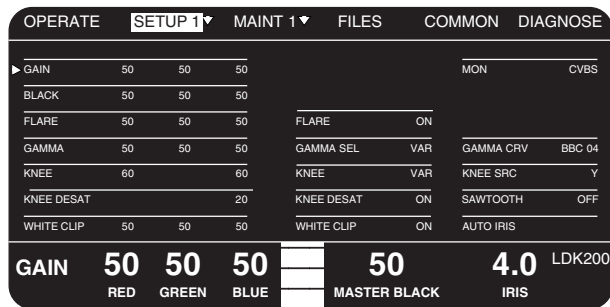
Operational Control of the Camera

The operate menu is the main menu and shows those functions which are available on the OCP. The menu line always contains the OPERATE selection in the lefthand corner, even in sub-menus, so that you can easily return to it.

OPERATE	SETUP 1▼		MAINT 1▼		FILES	COMMON	DIAGNOSE
▶ GAIN	50	50	50		COL. TEMP	3200K	MON	CVBS
BLACK	50	50	50		AUTOBLACK	OFF	BARS	OFF
KNEE	00	..	10		KNEE	VAR	EXPOSURE	NOM
CONTOUR			50		CONTOUR	VAR	FILTER	CLEAR
GAMMA			76		GAMMA	1	GAIN	0
BL. STR.			50		BL. STR.	OFF	AUTO IRIS	ON

GAIN	**50**	**50**	**50**		**50**	**4.0**	LDK200
	RED	GREEN	BLUE		MASTER BLACK	IRIS	

Setup menus

For a fully functioning LDK 20P camera, the setup menu consists of five screens, each of which is numbered. The triangular arrow indicates that these screens can be selected sequentially by repeatedly pressing the setup menu selection switch.

Setup 1 Menu

OPERATE	SETUP 1 ▾	MAINT 1 ▾		FILES		COMMON	DIAGNOSE
▸ GAIN	50	50	50			MON	CVBS
BLACK	50	50	50				
FLARE	50	50	50	FLARE	ON		
GAMMA	50	50	50	GAMMA SEL	VAR	GAMMA CRV	BBC 04
KNEE	60		60	KNEE	VAR	KNEE SRC	Y
KNEE DESAT			20	KNEE DESAT	ON	SAWTOOTH	OFF
WHITE CLIP	50	50	50	WHITE CLIP	ON	AUTO IRIS	

GAIN **50** **50** **50**   **50**   **4.0** LDK200
RED GREEN BLUE   MASTER BLACK   IRIS

Flare
In setup menu 1 the flare function can switched on or to auto. The flare function operates as a dynamic black circuit to improve picture contrast.
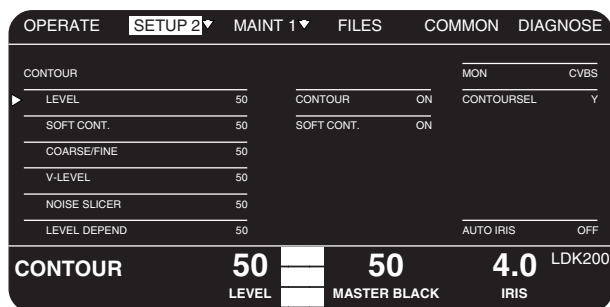
Knee
Setup menu 1 allows the knee compression circuit to be controlled. The signal source for the knee compression (KNEE SRC) can be selected as either the Y signal or a non-additive mix (NAM) of the RGB signals. With the knee function switched to variable, the point and slope of the knee can be varied. The knee desaturation function, when switched on, can also be varied. This variable desaturation regulates the dilution of the colour for the compressed highlights.

Gamma
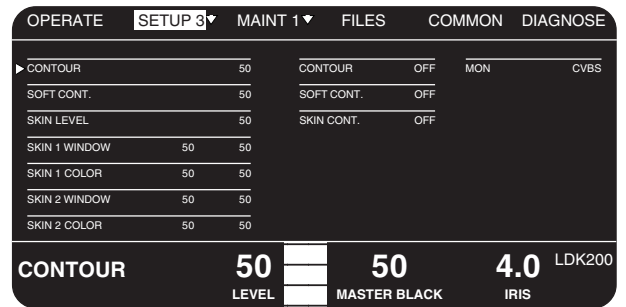Setup menu 1 also contains a switch function for selecting one of the six standard preset gamma curves (GAMMA CRV).

Setup 2 Menu

OPERATE	SETUP 2 ▾	MAINT 1 ▾	FILES		COMMON	DIAGNOSE
CONTOUR					MON	CVBS
▸ LEVEL		50	CONTOUR	ON	CONTOURSEL	Y
SOFT CONT.		50	SOFT CONT.	ON		
COARSE/FINE		50				
V-LEVEL		50				
NOISE SLICER		50				
LEVEL DEPEND		50			AUTO IRIS	OFF

CONTOUR **50**   **50**   **4.0** LDK200
LEVEL   MASTER BLACK   IRIS

Soft Contours
The soft contour function in setup menu 2 acts as a type of compression circuit on the level of contours. When the function is switched on, the level of contour signal applied to large black/white transitions is reduced to prevent a shadow appearing around these transitions.

Setup 3 Menu

OPERATE	SETUP 3 ▾	MAINT 1 ▾		FILES		COMMON	DIAGNOSE
▸ CONTOUR		50	CONTOUR	OFF	MON		CVBS
SOFT CONT.		50	SOFT CONT.	OFF			
SKIN LEVEL		50	SKIN CONT.	OFF			
SKIN 1 WINDOW	50	50					
SKIN 1 COLOR	50	50					
SKIN 2 WINDOW	50	50					
SKIN 2 COLOR	50	50					

CONTOUR **50**   **50**   **4.0** LDK200
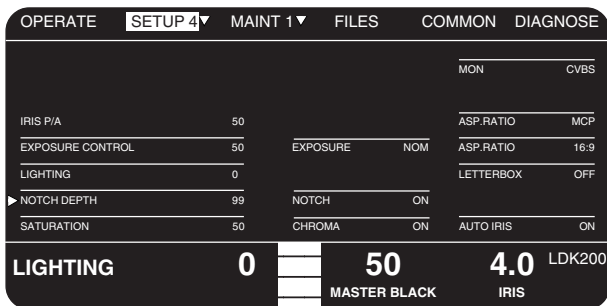LEVEL   MASTER BLACK   IRIS

Skin Contours
The skin contour function in setup menu 3 selects an area of the picture containing flesh tones and sets the contour level in that area independently of the rest of the picture. Two different skin tones can be defined.

Switch on the skin contour function and select skin contour 1. When the skin auto function is selected a window appears in the viewfinder. This window must be pointed at the skin area that is to be selected. By pressing the skin auto function again the automatic selection process is started. The colour of the flesh tone is measured and stored in the skin 1 memory. The process can then be repeated for the second skin colour if required.

If the skin view selection is on when the automatic process is finished, the monitor displays a black and white picture with the selected flesh tones shown as a coloured area. The skin colour controls may be used as a fine adjustment in blue and red to select more closely the outline of the face. The skin window function is also a fine adjustment which can be used to restrict the selected area to one part of the picture even if, for example, the same flesh tones appear in the background. Once the area for the skin has been defined, the level of skin contour to be applied there (usually zero) is set.

Setup 4 Menu

OPERATE	SETUP 4▼	MAINT 1▼	FILES	COMMON	DIAGNOSE
				MON	CVBS
IRIS P/A	50			ASP.RATIO	MCP
EXPOSURE CONTROL	50	EXPOSURE	NOM	ASP.RATIO	16:9
LIGHTING	0			LETTERBOX	OFF
▶NOTCH DEPTH	99	NOTCH	ON		
SATURATION	50	CHROMA	ON	AUTO IRIS	ON

LIGHTING   **0**   **50**   **4.0** LDK200
MASTER BLACK   **IRIS**

Auto Iris
Setup menu 4 has an Iris P/A analogue control. The value selected determines to what degree the auto iris circuit uses the Peak (00) video value or the Average (99) video value.

Exposure Control
The exposure control switch and analogue functions are also located in setup menu 4.

When the exposure time is set to variable to capture computer monitors pictures, the exposure control is used to eliminate the horizontal bar from the picture. The exposure control can handle computer monitors with frequencies between 51 and 103 Hz (625 lines) or 61 and 151 Hz (525 lines).

Lighting Control
The lighting control function can be found in setup menu 4. When the exposure time is set to 50 or 60Hz to handle HMI or TL lighting situations, the lighting control is used to correct frequency diviations of the lighting power supply. The correction range is approximately ±3Hz.
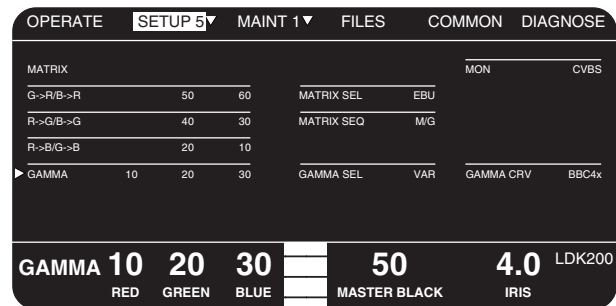
Notch Filter
The notch filter switch and analogue functions are located in setup menu 4. The notch filter in the encoded output (CVBS) can be switched on and its depth varied.

Letterbox
The letterbox aspect ratio switch function is located in setup menu 4. When selected, it provides a 16:9, 16:10, or 16:11 display.

Setup 5 Menu

OPERATE	SETUP 5▼	MAINT 1▼	FILES	COMMON	DIAGNOSE
MATRIX				MON	CVBS
G->R/B->R	50 60	MATRIX SEL	EBU		
R->G/B->G	40 30	MATRIX SEQ	M/G		
R->B/G->B	20 10				
▶GAMMA	10 20 30	GAMMA SEL	VAR	GAMMA CRV	BBC4x

GAMMA 10 20 30   **50**   **4.0** LDK200
RED GREEN BLUE   **MASTER BLACK**   **IRIS**

Matrix Control
The matrix control functions are found in setup menu 5. The MATRIX SEL switch function allows the selection of two variable matrix settings or six standard preset settings (B/W; 1:1; EBU; BBC; SKIN; RAI). If a variable setting is selected then a six point variable matrix can be set with the analogue controls.

The MATRIX SEQ switch function allows the sequence of the processing in the video path to be chosen to facilitate colour matching with different cameras. If M/G is selected then the matrix processing takes place before the gamma processing. With G/M selected the gamma processing takes place first.
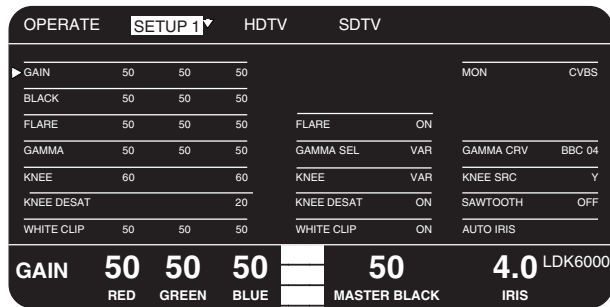
Gamma Control
Gamma selection, the gamma standard preset curve selection and the variable gamma analogue controls are also found in setup menu 5. The gamma curve switch function allows one of the six different standard curves to be selected (ARD; CCIR; RAI; BBC04; BBC05; BBC06). When the gamma selection switch is set to position 1 then the selected standard curve is used unaltered. When the gamma selection switch is set to position 2 then the selected standard curve is used with a preset attenuation factor.
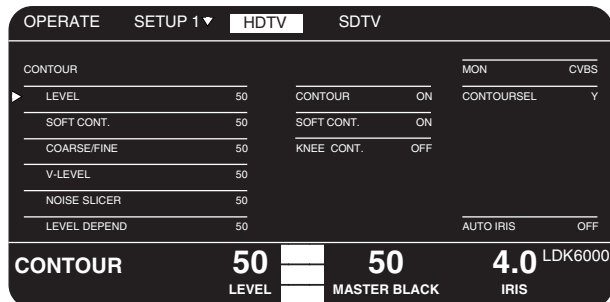
Setup menus - HD cameras

High definition cameras have a slightly different setup menu structure to enable the contours to be set differently for HDTV and SDTV outputs. When the setup button is pressed , two additional menus appear along the top for HDTV and SDTV setup. The setup menu itself consists now of four screens, each of which is numbered.
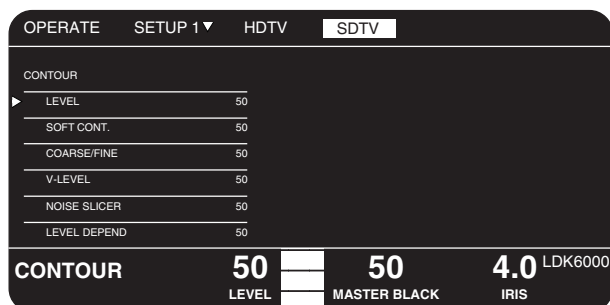
Setup 1 Menu

OPERATE	SETUP 1▼		HDTV		SDTV		
▶GAIN	50	50	50			MON	CVBS
BLACK	50	50	50				
FLARE	50	50	50	FLARE	ON		
GAMMA	50	50	50	GAMMA SEL	VAR	GAMMA CRV	BBC 04
KNEE	60		60	KNEE	VAR	KNEE SRC	Y
KNEE DESAT			20	KNEE DESAT	ON	SAWTOOTH	OFF
WHITE CLIP	50	50	50	WHITE CLIP	ON	AUTO IRIS	

GAIN 50 50 50   50   4.0 LDK6000
RED GREEN BLUE   MASTER BLACK   IRIS

Setup 1 menu is similar to the Setup1 menu of SDTV cameras.

HDTV Menu

OPERATE	SETUP 1▼	HDTV	SDTV			
CONTOUR					MON	CVBS
▶ LEVEL		50	CONTOUR	ON	CONTOURSEL	Y
SOFT CONT.		50	SOFT CONT.	ON		
COARSE/FINE		50	KNEE CONT.	OFF		
V-LEVEL		50				
NOISE SLICER		50				
LEVEL DEPEND		50			AUTO IRIS	OFF

CONTOUR 50   50   4.0 LDK6000
LEVEL   MASTER BLACK   IRIS

SDTV Menu

OPERATE	SETUP 1▼	HDTV	SDTV
CONTOUR			
▶ LEVEL		50	
SOFT CONT.		50	
COARSE/FINE		50	
V-LEVEL		50	
NOISE SLICER		50	
LEVEL DEPEND		50	

CONTOUR 50   50   4.0 LDK6000
LEVEL   MASTER BLACK   IRIS

The HDTV and SDTV menus set the contours separately for the respective output.

Setup 2 Menu

OPERATE	SETUP 2▼		HDTV		SDTV		
▶CONTOUR		50	CONTOUR	OFF	MON		CVBS
SOFT CONT.		50	SOFT CONT.	OFF			
SKIN LEVEL		50	SKIN CONT.	OFF			
SKIN 1 WINDOW	50	50					
SKIN 1 COLOR	50	50					
SKIN 2 WINDOW	50	50					
SKIN 2 COLOR	50	50					

CONTOUR 50   50   4.0 LDK6000
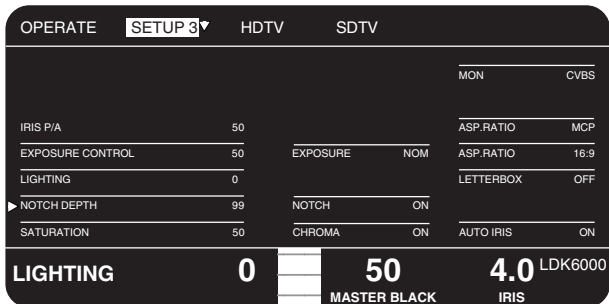**LEVEL   MASTER BLACK   IRIS**
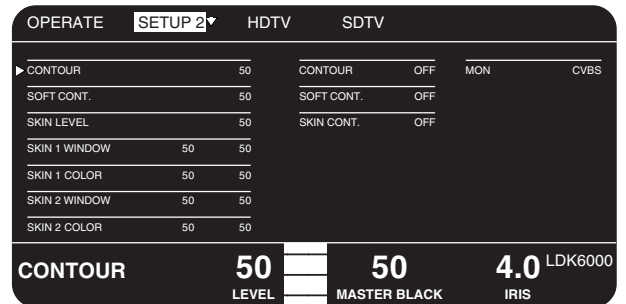
Skin Contours
The skin contour function in setup menu 2 selects an area of the picture containing flesh tones and sets the contour level in that area independently of the rest of the picture. Two different skin tones can be defined.

Switch on the skin contour function and select skin contour 1. When the skin auto function is selected a window appears in the viewfinder. This window must be pointed at the skin area that is to be selected. By pressing the skin auto function again the automatic selection process is started. The colour of the flesh tone is measured and stored in the skin 1 memory. The process can then be repeated for the second skin colour if required.

If the skin view selection is on when the automatic process is finished, the monitor displays a black and white picture with the selected flesh tones shown as a coloured area. The skin colour controls may be used as a fine adjustment in blue and red to select more closely the outline of the face. The skin window function is also a fine adjustment which can be used to restrict the selected area to one part of the picture even if, for example, the same flesh tones appear in the background. Once the area for the skin has been defined, the level of skin contour to be applied there (usually zero) is set.

Setup 3 Menu

OPERATE	SETUP 3▼	HDTV	SDTV			
					MON	CVBS
IRIS P/A	50				ASP.RATIO	MCP
EXPOSURE CONTROL	50	EXPOSURE	NOM		ASP.RATIO	16:9
LIGHTING	0				LETTERBOX	OFF
▶ NOTCH DEPTH	99	NOTCH	ON			
SATURATION	50	CHROMA	ON		AUTO IRIS	ON

LIGHTING   **0**   **50**   **4.0** ^{LDK6000}
MASTER BLACK   IRIS

Auto Iris
Setup menu 3 has an Iris P/A analogue control. The value selected determines to what degree the auto iris circuit uses the Peak (00) video value or the Average (99) video value.

Exposure Control
The exposure control switch and analogue functions are also located in setup menu 3.

When the exposure time is set to variable to capture computer monitors pictures, the exposure control is used to eliminate the horizontal bar from the picture. The exposure control can handle computer monitors with frequencies between 51 and 103 Hz (625 lines) or 61 and 151 Hz (525 lines).

Lighting Control
The lighting control function can be found in setup menu 3. When the exposure time is set to 50 or 60Hz to handle HMI or TL lighting situations, the lighting control is used to correct frequency diviations of the lighting power supply. The correction range is approximately ±3Hz.
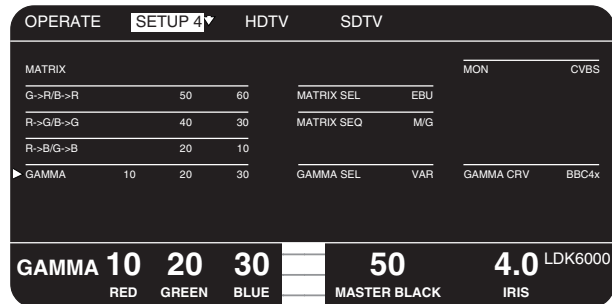
Notch Filter
The notch filter switch and analogue functions are located in setup menu 3. The notch filter in the encoded output (CVBS) can be switched on and its depth varied.

Letterbox
The letterbox aspect ratio switch function is located in setup menu 3. When selected, it provides a 16:9, 16:10, or 16:11 display.

Setup 4 Menu

OPERATE	SETUP 4▼	HDTV	SDTV			
MATRIX					MON	CVBS
G->R/B->R		50	60	MATRIX SEL	EBU	
R->G/B->G		40	30	MATRIX SEQ	M/G	
R->B/G->B		20	10			
▶ GAMMA	10	20	30	GAMMA SEL	VAR	GAMMA CRV BBC4x

GAMMA **10** **20** **30**   **50**   **4.0** ^{LDK6000}
RED   GREEN   BLUE   MASTER BLACK   IRIS

Matrix Control
The matrix control functions are found in setup menu 4. The MATRIX SEL switch function allows the selection of two variable matrix settings or six standard preset settings (B/W; 1:1; EBU; BBC; SKIN; RAI). If a variable setting is selected then a six point variable matrix can be set with the analogue controls.

The MATRIX SEQ switch function allows the sequence of the processing in the video path to be chosen to facilitate colour matching with different cameras. If M/G is selected then the matrix processing takes place before the gamma processing. With G/M selected the gamma processing takes place first.
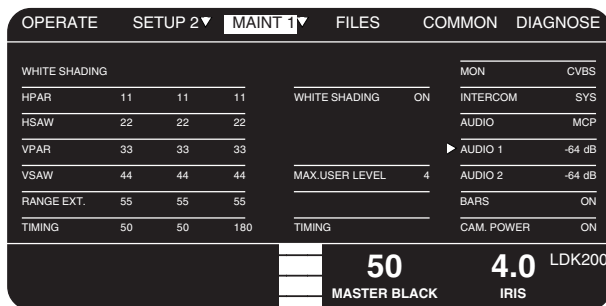
Gamma Control
Gamma selection, the gamma standard preset curve selection and the variable gamma analogue controls are also found in setup menu 4. The gamma curve switch function allows one of the six different standard curves to be selected (ARD; CCIR; RAI; BBC04; BBC05; BBC06). When the gamma selection switch is set to position 1 then the selected standard curve is used unaltered. When the gamma selection switch is set to position 2 then the selected standard curve is used with a preset attenuation factor.

For a fully functioning LDK 20P camera with large lens adapter, the maintenance menu consists of three screens, each of which is numbered. The triangular arrow indicates that these screens can be selected sequentially by repeatedly pressing the maintenance menu selection switch. (For LDK6000 cameras, the MAINT 2 menu has an extra entry for setting the OCP contour controls.)

Maint 1 Menu

OPERATE	SETUP 2▼	MAINT 1▼	FILES	COMMON	DIAGNOSE

WHITE SHADING						MON	CVBS
HPAR	11	11	11	WHITE SHADING	ON	INTERCOM	SYS
HSAW	22	22	22			AUDIO	MCP
VPAR	33	33	33			▶ AUDIO 1	-64 dB
VSAW	44	44	44	MAX.USER LEVEL	4	AUDIO 2	-64 dB
RANGE EXT.	55	55	55			BARS	ON
TIMING	50	50	180	TIMING		CAM. POWER	ON

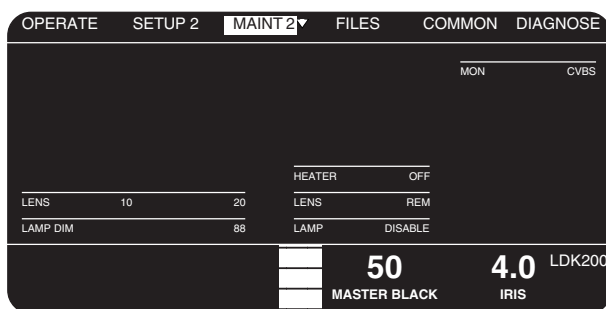**50** MASTER BLACK   **4.0** IRIS   LDK200

Audio Levels
Control of the levels of the two audio channels of the camera can be obtained by using an external dc control voltage connected to the base station or by using the switch functions located in the MAINT 1 menu.
When the audio control source function is switched to MCP, the dB levels of the audio 1 and audio 2 channels can be set individually using their respective pop-up menus.
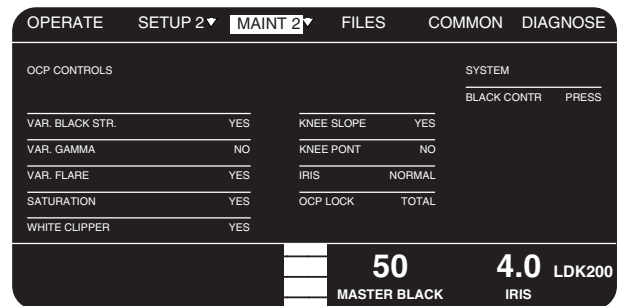
Maint 2 Menu - for Large lens adapter

OPERATE	SETUP 2	MAINT 2▼	FILES	COMMON	DIAGNOSE

				MON	CVBS
			HEATER	OFF	
LENS	10	20	LENS	REM	
LAMP DIM		88	LAMP	DISABLE	

50 MASTER BLACK   **4.0** IRIS   LDK200

LLA Control
The MAINT 2 menu allows control of some of the functions of the large lens adapter if one is being used with the camera.

Maint 2 (or 3)[1] Menu

OPERATE	SETUP 2▼	MAINT 2▼	FILES	COMMON	DIAGNOSE

OCP CONTROLS				SYSTEM	
				BLACK CONTR	PRESS
VAR. BLACK STR.	YES	KNEE SLOPE	YES		
VAR. GAMMA	NO	KNEE PONT	NO		
VAR. FLARE	YES	IRIS	NORMAL		
SATURATION	YES	OCP LOCK	TOTAL		
WHITE CLIPPER	YES				

50 MASTER BLACK   **4.0** IRIS   LDK200
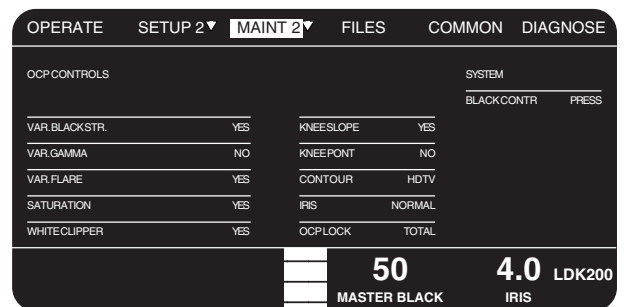
System Control
The MAINT 2 menu has a single system control, namely, black contrast. When set to PRESS the S-curve of film is simulated thereby improving the contrast impression. The variable black stretch control now follows this new range.

OCP Control
Different types of OCP can be used in the Series 9000 control system. The MAINT 2 menu allows some controls of the OCP to be disabled.
The OCP can also be locked totally. All the functions listed in the above menu may not be available on your OCP.

Maint 2 (or 3)[1] Menu - LDK6000

OPERATE	SETUP 2▼	MAINT 2▼	FILES	COMMON	DIAGNOSE

OCP CONTROLS				SYSTEM	
				BLACK CONTR	PRESS
VAR. BLACK STR.	YES	KNEE SLOPE	YES		
VAR. GAMMA	NO	KNEE PONT	NO		
VAR. FLARE	YES	CONTOUR	HDTV		
SATURATION	YES	IRIS	NORMAL		
WHITE CLIPPER	YES	OCP LOCK	TOTAL		

50 MASTER BLACK   **4.0** IRIS   LDK200

OCP Contour Control
The MAINT 2 menu for the LDK6000 has a contour control which sets the contols on the OCP to operate either for HDTV contours or for SDTV contours.

[1] If a Large Lens Adapter (LLA) is used, then this menu is called MAINT 3.

The FILES menu when selected, gives access to a set of submenus. These submenus handle the transfer, storage and recall of scene and standard files. When the files menu is selected, a new selection of menus appears across the top of the display. The modes that can be chosen now are:

OPERATE   which brings you back to the main operations menu.

TRANSFER   opens up a sub-menu which allows you to copy settings from the current camera to other cameras connected to the MCP data bus.

VIEW   1 & 2   menus list the settings that are to be handled.

STORE   allows a set of functions to be stored in a scene file or in a customer standard file or on a memocard.

RECALL   allows stored sets of functions to be recalled.

EXECUTE   is used to carry out the store, recall or transfer operation.

Camera Selection

When transferring values from one camera to another, only those values relevant to the type of camera are transferred. The cameras to which the values are to be transferred are selected by means of a pop-up menu.

```
CAMERA SELECT

1         3     4
*         *     *
5    6    7     8     EXIT
```
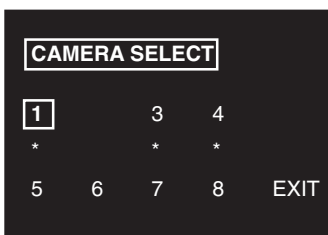
When a camera is selected to receive a transfer an asterix appears under its number in the menu. Close the menu by selecting EXIT.

View

The view menu consists of one or two screens depending on the number of functions that are to be handled. Before storing or recalling files, select this menu option to see a list of the functions that will be affected by the operation.
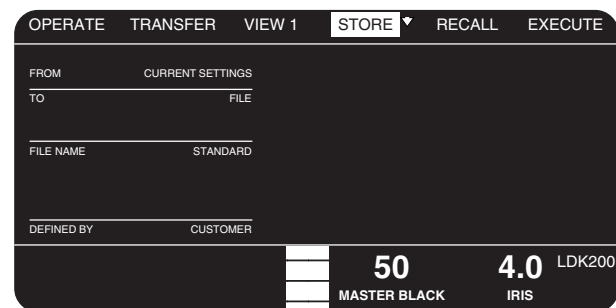
Storing Settings

When storing settings a source must be selected, for example, the current settings, and a destination. The destination can be a scene file, or a memocard scene file. The scene file number is selected by means of a pop-up menu. A typical store procedure would be as follows:
1. Select a source, for example, Current Settings.
2. Select a destination.
        This can be a scene file or a memocard file.
3. View the file that will be overwritten.
4. Press Execute to complete the store procedure.

Customer File

The MCP can be used to set the standard scene file to either the factory standard or a customer defined standard. The customer defined standard file is made on the MCP by means of the STORE menu. The standard file to be used by the OCP and MCP is toggled by the DEFINED BY function of the STORE menu. This function can be set to either FACTORY or CUSTOMER.

```
OPERATE   TRANSFER   VIEW 1   STORE ▾   RECALL   EXECUTE

FROM              CURRENT SETTINGS
TO                          FILE

FILE NAME              STANDARD

DEFINED BY            CUSTOMER
                                    50      4.0  LDK200
                              MASTER BLACK   IRIS
```
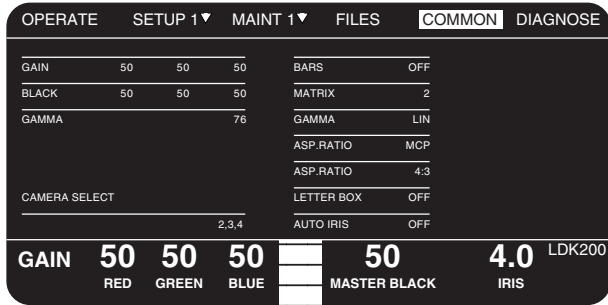
Recalling Settings

When recalling settings a source must be selected, for example, a scene file, or a memocard scene file, and a destination. The destination can be the current settings. The scene file number is selected by means of a pop-up menu.

Common

The common menu is a specific form of the OPERATE menu used to vary the operational functions common to the selected cameras. The common menu shows those functions which can be simultaneously varied on more than one camera.
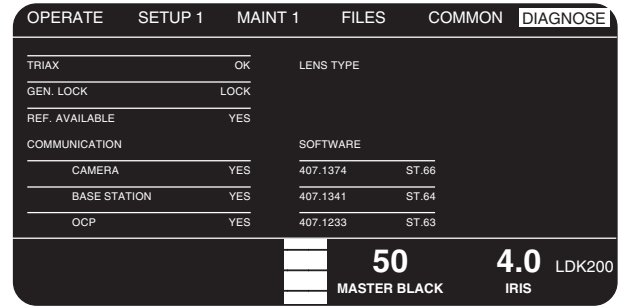
OPERATE	SETUP 1 ▼	MAINT 1 ▼	FILES	COMMON	DIAGNOSE

GAIN	50	50	50	BARS	OFF
BLACK	50	50	50	MATRIX	2
GAMMA			76	GAMMA	LIN
				ASP.RATIO	MCP
				ASP.RATIO	4:3
CAMERA SELECT				LETTER BOX	OFF
			2,3,4	AUTO IRIS	OFF

GAIN **50** **50** **50** **50** **4.0** LDK200
RED GREEN BLUE MASTER BLACK IRIS

The cameras that are to be changed can be selected from a camera selection pop-up menu.

CAMERA SELECT				
1		3	4	
*		*	*	
5	6	7	8	EXIT
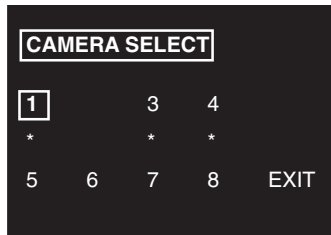
When a camera is selected for common control an asterix appears under its number in the menu. Close the menu by selecting EXIT. The numbers of the selected cameras appears at the bottom lefthand side of the MCP display.

Diagnose

The diagnose menu shows diagnostic information about the state of the system including software status.

OPERATE	SETUP 1	MAINT 1	FILES	COMMON	DIAGNOSE

TRIAX	OK	LENS TYPE	
GEN. LOCK	LOCK		
REF. AVAILABLE	YES		
COMMUNICATION		SOFTWARE	
CAMERA	YES	407.1374	ST.66
BASE STATION	YES	407.1341	ST.64
OCP	YES	407.1233	ST.63

50 **4.0** LDK200
MASTER BLACK IRIS

Analogue Control Functions

Functions	Parameters	Factory File
Operate Menu		
Gain	R/G/B	50/50/50
Black	R/G/B	50/50/50
Knee	Slope/Point	00/10
Contour	Level	50
Gamma	Master	76
Black Stretch	Master	50
Setup Menu 1		
Gain	R/G/B	50/50/50
Black	R/G/B	50/50/50
Flare	R/G/B	00/00/00
Gamma	R/Master/B	76/76/76
Knee Slope	R/Master/B	50/00/50
Knee Point	R/Master/B	50/10/50
White Clip	R/Master/B	60/60/60
Setup Menu 2		
Contour		
Level	Master	50
Soft Contour	Master	70
Coarse/fine	Master	25
V-Level	Master	50
Noise Slicer	Master	50
Level Depend	Master	50
Setup Menu 3		
Contour	Master	50
Soft Contour	Master	70
Skin Level	Skin 1and 2	00
Skin 1 Window	-	-
Skin 1 Colour	-	-
Skin 2 Window	-	-
Skin 2 Colour	-	-
Setup Menu 4		
Notch Depth	Master	99
Exposure Control	-	-
Lighting	-	0
Saturation	Master	50
Maintenance Menu 1		
White Shading		
H. Saw	-	-
H. Par	-	-
V. Saw	-	-
V. Saw	-	-
Timing	-	-
Lens	-	-

The master black value stored in the factory standard file is 50. The iris value is expressed as an F-stop. The master black and iris controls are always available.

Switch Control Functions

Functions	Parameters	Factory File
Operate Menu		
Colour Temp.	5-positions	3200 K
Auto Black	On / Off	-
Knee	Off / Auto / Var	Var
Contour	Off / Var	Var
Gamma	1, 2, Var, Lin	1
Black Stretch	On / Off	Off
Monitoring	11-positions	CVBS
Bars	On / Off	Off
Exposure	7-positions	Nom
Filter	1(clear) - 8(cap)	1 (clear)
Gain	- / 0 / + / ++	0
Auto Iris	On / Off	On
Setup Menu 1		
Monitoring	11-positions	CVBS
Matrix	1 / 2	2
Gamma	1, 2, Var, Lin	1
Knee	Off / Auto / Var	Var
Sawtooth	On / Off	Off
White Clipper	On / Off	On
Setup Menu 2		
Contour	Off / Var	Var
Soft Contour	On / Off	On
Monitoring	11-positions	CVBS
Auto Iris	On / Off	On
Setup Menu 3		
Contour	Off / Var	Var
Soft Contour	On / Off	On
Skin Contour	Off / 1 / 2 / 1+2	Off
Monitoring	11-positions	CVBS
Setup Menu 4		
Monitoring	11-positions	CVBS
Notch	On / Off	On
Exposure	6-positions	Nom.
Letterbox	On / Off	Off
Chroma	On / Off	On
Maintenance Menu 1		
White Shading	On / Off	On
Timing	On / Lock	-
Lens	Local / Remote	-
Monitoring	11-positions	CVBS
Bars	On / Off	Off
Intercom	Syst / Iso	-
Audio	MCP / External	-
Audio 1	8-positions	-
Audio 2	8-positions	-
Cam. Power	On / Off	-

A pop-up menu appears when there are more than two selections available.

Analogue Control Functions

Functions	Parameters	Factory File
Operate Menu		
Gain	R/G/B	50/50/50
Black	R/G/B	50/50/50
Knee	Slope/Point	00/10
Contour	Level	50
Gamma	Master	76
Black Stretch	Master	50
Setup Menu 1		
Gain	R/G/B	50/50/50
Black	R/G/B	50/50/50
Flare	R/G/B	00/00/00
Gamma	R/Master/B	76/76/76
Knee Slope	R/Master/B	50/00/50
Knee Point	R/Master/B	50/10/50
White Clip	R/Master/B	60/60/60
Setup Menu 2		
Contour		
Level	Master	50
Soft Contour	Master	70
Coarse/fine	Master	25
V-Level	Master	50
Noise Slicer	Master	50
Level Depend	Master	50
Setup Menu 3		
Contour	Master	50
Soft Contour	Master	50
Skin Level	Skin 1 and 2	00
Skin 1 Window	-	-
Skin 1 Colour	-	-
Skin 2 Window	-	-
Skin 2 Colour	-	-
Setup Menu 4		
Notch Depth	Master	99
Exposure Control	-	-
Lighting	-	0
Saturation	Master	50
Maintenance Menu 1		
White Shading		
H. Saw	-	-
H. Par	-	-
V. Saw	-	-
V. Saw	-	-
Timing	-	-
Lens	-	-

The master black value stored in the factory standard file is 50. The iris value is expressed as an F-stop. The master black and iris controls are always available.

Switch Control Functions

Functions	Parameters	Factory File
Operate Menu		
Colour Temp.	5-positions	3200 K
Auto Black	On / Off	-
Knee	Off / Auto / Var	Var
Contour	Off / Var	Var
Gamma	1, 2, Var, Lin	1
Black Stretch	On / Off	Off
Monitoring	11-positions	CVBS
Bars	On / Off	Off
Exposure	7-positions	Nom
Filter	1(clear) - 4(cap)	1 (clear)
Gain	- / 0 / + / ++	0
Auto Iris	On / Off	On
Setup Menu 1		
Monitoring	11-positions	CVBS
Matrix	1 / 2	2
Gamma	1, 2, Var, Lin	1
Knee	Off / Auto / Var	Var
Sawtooth	On / Off	Off
White Clipper	On / Off	On
Setup Menu 2		
Contour	Off / Var	Var
Soft Contour	On / Off	On
Monitoring	11-positions	CVBS
Auto Iris	On / Off	On
Setup Menu 3		
Contour	Off / Var	Var
Soft Contour	On / Off	On
Skin Contour	On / Off	On
Monitoring	11-positions	CVBS
Setup Menu 4		
Monitoring	11-positions	CVBS
Notch	On / Off	On
Exposure	6-positions	Nom.
Letterbox	On / Off	Off
Chroma	On / Off	On
Maintenance Menu 1		
Timing	On / Lock	-
Lens	Local / Remote	-
Monitoring	11-positions	CVBS
Bars	On / Off	Off
Intercom	Syst / Iso	-
Audio	MCP / External	-
Audio 1	8-positions	-
Audio 2	8-positions	-
Cam. Power	On / Off	-

A pop-up menu appears when there are more than two selections available.

Control Functions for LDK 9PW

Analogue Control Functions

Functions	Parameters	Factory File
Operate Menu		
Gain	R/G/B	50/50/50
Black	R/G/B	50/50/50
Knee	Slope/Point	00/10
Contour	Level	50
Gamma	Master	76
Black Stretch	Master	50
Setup Menu 1		
Gain	R/G/B	50/50/50
Black	R/G/B	50/50/50
Flare	R/G/B	00/00/00
Gamma	R/Master/B	76/76/76
Knee Slope	R/Master/B	50/00/50
Knee Point	R/Master/B	50/10/50
White Clip	R/Master/B	60/60/60
Setup Menu 2		
Contour		
Level	Master	50
Soft Contour	Master	70
Coarse/fine	Master	25
V-Level	Master	50
Noise Slicer	Master	50
Level Depend	Master	50
Setup Menu 3		
Contour	Master	50
Soft Contour	Master	50
Skin Level	Skin 1 and 2	00
Skin 1 Window	-	-
Skin 1 Colour	-	-
Skin 2 Window	-	-
Skin 2 Colour	-	-
Setup Menu 4		
Notch Depth	Master	99
Exposure Control	-	-
Lighting	-	0
Saturation	Master	50
Maintenance Menu 1		
White Shading		
H. Saw	-	-
H. Par	-	-
V. Saw	-	-
V. Saw	-	-
Timing	-	-
Lens	-	-

The master black value stored in the factory standard file is 50. The iris value is expressed as an F-stop. The master black and iris controls are always available.

Switch Control Functions

Functions	Parameters	Factory File
Operate Menu		
Colour Temp.	5-positions	3200 K
Auto Black	On / Off	-
Knee	Off / Auto / Var	Var
Contour	Off / Var	Var
Gamma	1, 2, Var, Lin	1
Black Stretch	On / Off	Off
Monitoring	11-positions	CVBS
Bars	On / Off	Off
Exposure	7-positions	Nom
Filter	1(clear) - 4(cap)	1 (clear)
Gain	- / 0 / + / ++	0
Auto Iris	On / Off	On
Setup Menu 1		
Monitoring	11-positions	CVBS
Matrix	1 / 2	2
Gamma	1, 2, Var, Lin	1
Knee	Off / Auto / Var	Var
Sawtooth	On / Off	Off
White Clipper	On / Off	On
Setup Menu 2		
Contour	Off / Var	Var
Soft Contour	On / Off	On
Monitoring	11-positions	CVBS
Auto Iris	On / Off	On
Setup Menu 3		
Contour	Off / Var	Var
Soft Contour	On / Off	On
Skin Contour	On / Off	On
Monitoring	11-positions	CVBS
Setup Menu 4		
Monitoring	11-positions	CVBS
Notch	On / Off	On
Exposure	6-positions	Nom.
Aspect Ratio	16:9 / 4:3	4:3
Letterbox	On / Off	Off
Chroma	On / Off	On
Maintenance Menu 1		
Timing	On / Lock	-
Lens	Local / Remote	-
Monitoring	11-positions	CVBS
Bars	On / Off	Off
Intercom	Syst / Iso	-
Audio	MCP / External	-
Audio 1	8-positions	-
Audio 2	8-positions	-
Cam. Power	On / Off	-

A pop-up menu appears when there are more than two selections available.

Control Functions for LDK 910

Analogue Control Functions

Functions	Parameters	Factory File
<u>Operate Menu</u>		
Gain	R/G/B	50/50/50
Black	R/G/B	50/50/50
Contour	Level	50
Black Stretch	Master	50
<u>Setup Menu</u>		
Gain	R/G/B	50/50/50
Black	R/G/B	50/50/50
Contour	Level	50
Notch Depth	Master	99
Saturation	Master	50
<u>Maintenance Menu</u>		
Timing	-	-

The master black value stored in the factory standard file is 50. The iris value is expressed as an F-stop. The master black and iris controls are always available.

Switch Control Functions

Functions	Parameters	Factory File
<u>Operate Menu</u>		
Colour Temp.	5-positions	3200 K
Auto Black	On / Off	-
Knee	Fix / Off / Auto	Auto
Contour	Min / Norm / Extra / Var	Var
Gamma	1 / 2	1
Black Stretch	On / Off	Off
Monitoring	11-positions	CVBS
Bars	On / Off	Off
Exposure	5-positions	Nom
Filter	1(clear) - 4(cap)	1
Gain	- / 0 / + / ++	0
Auto Iris	On / Off	On
<u>Setup Menu</u>		
Knee	Fix / Off / Auto	Auto
Contour	Min / Norm / Var	Var
Gamma	1 / 2	1
Monitoring	11-positions	CVBS
Auto Iris	On / Off	On
Sawtooth	On / Off	Off
Notch	On / Off	On
Chroma	On / Off	On
<u>Maintenance Menu</u>		
Monitoring	11-positions	CVBS
Bars	On / Off	Off
Intercom	Syst / Iso	-
Timing	On / Lock	-

A pop-up menu appears when there are more than two selections available.

Control Functions for LDK 93

Analogue Control Functions

Functions	Parameters	Factory File
Operate Menu		
Gain	R/G/B	50/50/50
Black	R/G/B	50/50/50
Contour	Level	50
Black Stretch	Master	50
Setup Menu		
Gain	R/G/B	50/50/50
Black	R/G/B	50/50/50
Contour	Level	50
Notch Depth	Master	99
Saturation	Master	50
Maintenance Menu		
Timing	-	-

The master black value stored in the factory standard file is 50. The iris value is expressed as an F-stop. The master black and iris controls are always available.

Switch Control Functions

Functions	Parameters	Factory File
Operate Menu		
Colour Temp.	5-positions	3200 K
Auto Black	On / Off	-
Knee	Fix / Off / Auto	Auto
Contour	Min / Norm / Extra / Var	Var
Gamma	1 / 2	1
Black Stretch	On / Off	Off
Monitoring	11-positions	CVBS
Bars	On / Off	Off
Exposure	5-positions	Nom
Filter	1(clear) - 4(cap)	1 (clear)
Gain	- / 0 / + / ++	0
Auto Iris	On / Off	On
Setup Menu		
Knee	Fix / Off / Auto	Auto
Contour	Min / Norm / Var	Var
Gamma	1 / 2	1
Monitoring	11-positions	CVBS
Auto Iris	On / Off	On
Sawtooth	On / Off	Off
Notch	On / Off	On
Chroma	On / Off	On
Maintenance Menu		
Monitoring	11-positions	CVBS
Bars	On / Off	Off
Intercom	Syst / Iso	-
Timing	On / Lock	-

A pop-up menu appears when there are more than two selections available.

Control Functions for LDK 93W

Analogue Control Functions

Functions	Parameters	Factory File
<u>Operate Menu</u>		
Gain	R/G/B	50/50/50
Black	R/G/B	50/50/50
Contour	Level	50
Black Stretch	Master	50
<u>Setup Menu</u>		
Gain	R/G/B	50/50/50
Black	R/G/B	50/50/50
Contour	Level	50
Notch Depth	Master	99
Saturation	Master	50
<u>Maintenance Menu</u>		
Timing	-	-

The master black value stored in the factory standard file is 50. The iris value is expressed as an F-stop. The master black and iris controls are always available.

Switch Control Functions

Functions	Parameters	Factory File
<u>Operate Menu</u>		
Colour Temp.	5-positions	3200 K
Auto Black	On / Off	-
Knee	Fix / Off / Auto	Auto
Contour	Min / Norm / Extra / Var	Var
Gamma	1 / 2	1
Black Stretch	On / Off	Off
Monitoring	11-positions	CVBS
Bars	On / Off	Off
Exposure	5-positions	Nom
Filter	1(clear) - 4(cap)	1 (clear)
Gain	- / 0 / + / ++	0
Auto Iris	On / Off	On
<u>Setup Menu</u>		
Knee	Fix / Off / Auto	Auto
Contour	Min / Norm / Var	Var
Gamma	1 / 2	1
Monitoring	11-positions	CVBS
Auto Iris	On / Off	On
Sawtooth	On / Off	Off
Notch	On / Off	On
Chroma	On / Off	On
Aspect Ratio	16:9 / 4:3	4:3
Letterbox	On / Off	Off
<u>Maintenance Menu</u>		
Monitoring	11-positions	CVBS
Bars	On / Off	Off
Intercom	Syst / Iso	-
Timing	On / Lock	-

A pop-up menu appears when there are more than two selections available.

Control Functions for LDK 91

Analogue Control Functions

Functions	Parameters	Factory File
Operate Menu		
Gain	R/G/B	50/50/50
Black	R/G/B	50/50/50
Contour	Level	50
Black Stretch	Master	50
Setup Menu		
Gain	R/G/B	50/50/50
Black	R/G/B	50/50/50
Contour	Level	50
Notch Depth	Master	99
Saturation	Master	50
Maintenance Menu		
Timing	-	-

The master black value stored in the factory standard file is 50. The iris value is expressed as an F-stop. The master black and iris controls are always available.

Switch Control Functions

Functions	Parameters	Factory File
Operate Menu		
Colour Temp.	5-positions	3200 K
Auto Black	On / Off	-
Knee	Fix / Off / Auto	Auto
Contour	Min / Norm / Extra / Var	Var
Gamma	1 / 2	1
Black Stretch	On / Off	Off
Monitoring	11-positions	CVBS
Bars	On / Off	Off
Exposure	5-positions	Nom
Gain	- / 0 / + / ++	0
Auto Iris	On / Off	On
Setup Menu		
Knee	Fix / Off / Auto	Auto
Contour	Min / Norm / Var	Var
Gamma	1 / 2	1
Monitoring	11-positions	CVBS
Auto Iris	On / Off	On
Sawtooth	On / Off	Off
Notch	On / Off	On
Chroma	On / Off	On
Maintenance Menu		
Monitoring	11-positions	CVBS
Bars	On / Off	Off
Intercom	Syst / Iso	-
Timing	On / Lock	-

A pop-up menu appears when there are more than two selections available.

Control Functions for LDK 9000

Analogue Control Functions

Functions	Parameters	Factory File
Operate Menu		
Gain	R/G/B	50/50/50
Black	R/G/B	50/50/50
Knee Point	Master	30
Knee Slope	Master	30
Gamma	R/Master/B	33/33/33
Black Stretch	Master	00
Contour		
Level	Master	50
B/W Balance	Master	50
Noise Slicer	Master	30
Setup Menu 1		
Gain	R/G/B	50/50/50
Black	R/G/B	50/50/50
Knee Point	Master	30
Knee Slope	Master	30
Gamma	R/Master/B	33/33/33
Lighting	-	00
Flare	R/G/B	00/00/00
Setup Menu 2		
Contour		
Level	Master	50
H/V Balance	Master	50
B/W Balance	Master	50
Coarse/fine	Master	50
Noise Slicer	Master	30
Level Depend	Master	50
Maintenance Menu 1		
White Shading		
H. Saw	R/G/B	50/50/50
H. Par	R/G/B	50/50/50
V. Saw	R/G/B	50/50/50
V. Saw	R/G/B	50/50/50
Zoom	Master	50

The master black value stored in the factory standard file is 50. The focus value stored in the factory standard file is 50. The iris value is expressed as an F-stop. The master black, focus and iris controls are always available.

Switch Control Functions

Functions	Parameters	Factory File
Operate Menu		
Colour Temp.	5-positions	3200 K
	AW1	3200K
	AW2	5600K
Auto White	On / Off	-
Auto Black	On / Off	-
Knee	Off / Auto / Var / Hold	Auto
Contour	Off / On / Var	Var
Gamma	Lin / 1 / 2 / Var	1
Black Stretch	On / Off	Off
Monitoring	11-positions	Y
Bars	On / Off	Off
Exposure	6-positions	Nom
Filter I	1(clear) - 4	1 (clear)
Filter II	1 - 4(cap)	1 (clear)
Gain	- / 0 / + / ++	0
Auto Iris	On / Off	Off
Setup Menu 1		
Knee	Off / Auto / Var / Hold	Auto
Gamma	Lin / 1 / 2 / Var	1
Monitoring	11-positions	Y
Monitoring VF	11-positions	Y
Sawtooth	Off / 1 / 2 / 3	Off
Matrix	1 / 2	2
Flare	On / Off	On
Setup Menu 2		
Contour	Off / On / Var	Var
Contour SRC	R / G / Y	Y
Monitoring	11-positions	Y
Monitoring VF	11-positions	Y
Auto Iris	On / Off	Off
Maintenance Menu 1		
Monitoring	11-positions	Y
Monitoring VF	11-positions	Y
Bars	On / Off	Off
White Shading	On / Off	On
Intercom	Syst / Iso	System
Audio	MCP / External	MCP
Audio 1	8-positions	-64dB
Audio 2	8-positions	-64dB
Audio Filter	Off / 1 / 1+2 / 3	Off
Lens Focus	Local / Remote	Local
Lens Zoom	Local / Remote	Local
Heater	On / Off	-

A pop-up menu appears when there are more than two selections available.

Control Functions for LDK 10

Analogue Control Functions

Functions	Parameters	Factory File
Operate Menu		
Gain	R/G/B	50/50/50
Black	R/G/B	50/50/50
Knee	Slope/Point	00/10
Contour	Level	50
Gamma	Master	76
Black Stretch	Master	50
Setup Menu 1		
Gain	R/G/B	50/50/50
Black	R/G/B	50/50/50
Flare	R/G/B	00/00/00
Gamma	R/Master/B	76/76/76
Knee Slope	R/Master/B	50/00/50
Knee Point	R/Master/B	50/10/50
White Clip	R/Master/B	60/60/60
Setup Menu 2		
Contour		
Level	Master	50
Soft Contour	Master	70
Coarse/fine	Master	25
V-Level	Master	50
Noise Slicer	Master	50
Level Depend	Master	50
Setup Menu 3		
Contour	Master	50
Soft Contour	Master	70
Skin Level	Skin 1 and 2	00
Skin 1 Window	-	-
Skin 1 Colour	-	-
Skin 2 Window	-	-
Skin 2 Colour	-	-
Setup Menu 4		
Notch Depth	Master	99
Exposure Control	-	-
Lighting	-	0
Saturation	Master	50
Maintenance Menu 1		
White Shading		
H. Saw	-	-
H. Par	-	-
V. Saw	-	-
V. Saw	-	-
Timing	-	-
Lens	-	-

The master black value stored in the factory standard file is 50. The iris value is expressed as an F-stop. The master black and iris controls are always available.

Switch Control Functions

Functions	Parameters	Factory File
Operate Menu		
Colour Temp.	5-positions	3200 K
Auto Black	On / Off	-
Knee	Off / Auto / Var	Var
Contour	Off / Var	Var
Gamma	1, 2, Var, Lin	1
Black Stretch	On / Off	Off
Monitoring	11-positions	CVBS
Bars	On / Off	Off
Exposure	7-positions	Nom
Filter	1(clear) - 7(cap)	1 (clear)
Gain	- / 0 / + / ++	0
Auto Iris	On / Off	On
Setup Menu 1		
Flare	On / Off	On
Monitoring	11-positions	CVBS
Matrix	1 / 2	2
Gamma	1, 2, Var, Lin	1
Knee	Off / Auto / Var	Var
Sawtooth	On / Off	Off
White Clipper	On / Off	On
Auto Iris	On / Off	On
Setup Menu 2		
Contour	Off / Var	Var
Soft Contour	On / Off	On
Monitoring	11-positions	CVBS
Auto Iris	On / Off	On
Setup Menu 3		
Contour	Off / Var	Var
Soft Contour	On / Off	On
Skin Contour	Off / 1 / 2 / 1+2	Off
Monitoring	11-positions	CVBS
Setup Menu 4		
Monitoring	11-positions	CVBS
Asp. Ratio	MCP / Ext.	-
Asp. Ratio	16 : 9 / 4 : 3	-
Notch	On / Off	On
Exposure	6-positions	Nom.
Letterbox	On / Off	Off
Chroma	On / Off	On
Hor. Scan	Norm / Rev	-
Maintenance Menu 1		
White Shading	On / Off	On
Timing	On / Lock	-
Lens	Local / Remote	-
On air lights	Dis / Ena	-
Monitoring	11-positions	CVBS
Bars	On / Off	Off
Intercom	Syst / Iso	-
Audio	MCP / External	-
Audio 1	8-positions	-
Audio 2	8-positions	-
Cam. Power	On / Off	-

A pop-up menu appears when there are more than two selections available.

Control Functions for LDK 10P

Analogue Control Functions

Functions	Parameters	Factory File
Operate Menu		
Gain	R/G/B	50/50/50
Black	R/G/B	50/50/50
Knee	Slope/Point	00/10
Contour	Level	50
Gamma	Master	76
Black Stretch	Master	50
Setup Menu 1		
Gain	R/G/B	50/50/50
Black	R/G/B	50/50/50
Flare	R/G/B	00/00/00
Gamma	R/Master/B	76/76/76
Knee Slope	R/Master/B	50/00/50
Knee Point	R/Master/B	50/10/50
White Clip	R/Master/B	60/60/60
Setup Menu 2		
Contour		
Level	Master	50
Soft Contour	Master	70
Coarse/fine	Master	25
V-Level	Master	50
Noise Slicer	Master	50
Level Depend	Master	50
Setup Menu 3		
Contour	Master	50
Soft Contour	Master	70
Skin Level	Skin 1and 2	00
Skin 1 Window	-	-
Skin 1 Colour	-	-
Skin 2 Window	-	-
Skin 2 Colour	-	-
Setup Menu 4		
Notch Depth	Master	99
Exposure Control	-	-
Lighting	-	0
Saturation	Master	50
Maintenance Menu 1		
Timing	-	-
Lens	-	-

The master black value stored in the factory standard file is 50. The iris value is expressed as an F-stop. The master black and iris controls are always available.

Switch Control Functions

Functions	Parameters	Factory File
Operate Menu		
Colour Temp.	5-positions	3200 K
Auto Black	On / Off	-
Knee	Off / Auto / Var	Var
Contour	Off / Var	Var
Gamma	1, 2, Var, Lin	1
Black Stretch	On / Off	Off
Monitoring	11-positions	CVBS
Bars	On / Off	Off
Exposure	7-positions	Nom
Filter	1(clear) - 7(cap)	1 (clear)
Gain	- / 0 / + / ++	0
Auto Iris	On / Off	On
Setup Menu 1		
Monitoring	11-positions	CVBS
Flare	On / Off	On
Matrix	1 / 2	2
Gamma	1, 2, Var, Lin	1
Knee	Off / Auto / Var	Var
Sawtooth	On / Off	Off
White Clipper	On / Off	On
Auto Iris	On / Off	On
Setup Menu 2		
Contour	Off / Var	Var
Soft Contour	On / Off	On
Monitoring	11-positions	CVBS
Auto Iris	On / Off	On
Setup Menu 3		
Contour	Off / Var	Var
Soft Contour	On / Off	On
Skin Contour	Off / 1 / 2 / 1+2	Off
Monitoring	11-positions	CVBS
Setup Menu 4		
Monitoring	11-positions	CVBS
Asp. Ratio	MCP / Ext.	-
Asp. Ratio	16 : 9 / 4 : 3	-
Notch	On / Off	On
Exposure	8-positions	Nom.
Letterbox	On / Off	Off
Chroma	On / Off	On
Maintenance Menu 1		
White Shading	On / Off	On
Max User	Level 0 --- 4	-
Timing	On / Lock	-
Lens	Local / Remote	-
Monitoring	11-positions	CVBS
Bars	On / Off	Off
Intercom	Syst / Iso	-
Audio	MCP / External	-
Audio 1	8-positions	-
Audio 2	8-positions	-
Cam. Power	On / Off	-

A pop-up menu appears when there are more than two selections available.

Control Functions for LDK 20P

Analogue Control Functions

Functions	Parameters	Factory File
Operate Menu		
Gain	R/G/B	50/50/50
Black	R/G/B	50/50/50
Knee	Slope/Point	00/28
Contour	Level	50
Gamma	Master	76
Black Stretch	Master	50
Setup Menu 1		
Gain	R/G/B	50/50/50
Black	R/G/B	50/50/50
Flare	R/G/B	00/00/00
Gamma	R/Master/B	76/76/76
Knee	Slope/Point	00/28
Knee Desaturation	Level	99
White Clip	R/Master/B	60/60/60
Setup Menu 2		
Contour		
Level	Master	50
Soft Contour	Master	70
Coarse/fine	Master	25
V-Level	Master	50
Noise Slicer	Master	50
Level Depend	Master	50
Setup Menu 3		
Contour	Master	50
Soft Contour	Master	70
Skin Level	Skin 1and 2	00
Skin 1 Window	R/B	-
Skin 1 Colour	R/B	-
Skin 2 Window	R/B	-
Skin 2 Colour	R/B	-
Setup Menu 4		
Iris Peak/average	Level	-
Exposure Control	-	-
Lighting	-	0
Notch Depth	Master	99
Saturation	Master	50
Setup Menu 5		
Matrix		
G->R/B->R	-	-
R->G/B->G	-	-
R->B/G->B	-	-
Gamma	R/Master/B	76/76/76

Functions	Parameters	Factory File
Maintenance Menu 1		
White Shading		
H. Saw	-	-
H. Par	-	-
V. Saw	-	-
V. Par	-	-
Range Extender	R/G/B	-
Timing	HPh/Fine/Coarse	-
Maintenance Menu 3		
Lens	Zoom/Focus	-
Lamp Dim	Level	88

The master black value stored in the factory standard file is 50. The iris value is expressed as an F-stop. The master black and iris controls are always available.

Switch Control Functions

Functions	Parameters	Factory File
Operate Menu		
Colour Temp.	5-positions	3200 K
Auto Black	On / Off	-
Knee	Off / Auto / Var	Var
Contour	Off / Var	Var
Gamma	1 / 2 / Var / Lin	1
Black Stretch	On / Off	Off
Monitoring	11-positions	CVBS
Bars	On / Off	Off
Exposure	7-positions	Nom
Filter	1(clear) - 7(cap)	1 (clear)
Gain	- / 0 / + / ++	0
Auto Iris	On / Off	On
Setup Menu 1		
Monitoring	11-positions	CVBS
Flare	On / Auto	On
Gamma	1 / 2 / Var / Lin	1
Gamma curve	6-positions	ARD
Knee	Off / Auto / Var	Var
Knee source	Y / NAM	Y
Knee desaturation	On / Off	Off
Sawtooth	On / Off	Off
White Clipper	On / Off	On
Auto Iris	On / Off	On
Setup Menu 2		
Contour	Off / Var	Var
Soft Contour	On / Off	On
Contour selection	Y/R/G/R+G	Y
Monitoring	11-positions	CVBS
Auto Iris	On / Off	On
Setup Menu 3		
Contour	Off / Var	Var
Soft Contour	On / Off	On
Skin Contour	Off / 1 / 2 / 1+2	Off
Monitoring	11-positions	CVBS
Setup Menu 4		
Monitoring	11-positions	CVBS
Asp. Ratio	MCP / Ext.	-
Asp. Ratio	16 : 9 / 4 : 3	-
Letterbox	On / Off	Off
Exposure	8-positions	Nom.
Notch	On / Off	On
Chroma	On / Off	On
Auto Iris	On / Off	On

Functions	Parameters	Factory File
Setup Menu 5		
Monitoring	11-positions	CVBS
Matrix selection	8-positions	Skin
Matrix sequence	M/G - G/M	M/G
Gamma	1 / 2 / Var / Lin	1
Gamma curve	6-positions	ARD
Maintenance Menu 1		
White Shading	On / Off	On
Max User	Level 0 --- 4	-
Timing	On / Lock	-
Lens	Local / Remote	-
Monitoring	11-positions	CVBS
Bars	On / Off	Off
Intercom	Syst / Iso	-
Audio	MCP / External	-
Audio 1	8-positions	-
Audio 2	8-positions	-
Cam. Power	On / Off	-
Maintenance Menu 2		
OCP Controls		
Variable Black Str.		Yes
Variable Gamma		Yes
Variable Flare		Yes
Satuation		Yes
White Clipper		Yes
Knee slope		Yes
Knee point		Yes
Iris		Normal
OCP lock		Total
System		
Black contrast		Strch
Maintenance Menu 3 (LLA)		
Monitoring	11-positions	CVBS
Heater	On / Off	Off
Lens	Local / Remote	Rem
Lamp	Enable / Disable	Disable

A pop-up menu appears when there are more than two selections available.

Control Functions for LDK 23HS

Analogue Control Functions

Functions	Parameters	Factory File
Operate Menu		
Gain	R/G/B	50/50/50
Black	R/G/B	50/50/50
Knee	Slope/Point	00/10
Contour	Level	50
Gamma	Master	76
Black Stretch	Master	50
Setup Menu 1		
Gain	R/G/B	50/50/50
Black	R/G/B	50/50/50
Flare	R/G/B	15/15/15
Gamma	R/Master/B	76/76/76
Knee Slope	R/Master/B	50/00/50
Knee Point	R/Master/B	50/10/50
White Clip	Master	56
Setup Menu 2		
Contour		
Level	Master	50
Soft Contour	Master	70
Coarse/fine	Master	25
V-Level	Master	50
Noise Slicer	Master	06
Level Depend	Master	50
Setup Menu 3		
Exposure control	-	151
Saturation	-	50
Maintenance Menu 1		
White Shading		
H. Saw	R/G/B	-
H. Par	R/G/B	-
V. Saw	R/G/B	-
V. Saw	R/G/B	-
Range ext	R/G/B	-
Timing	HPhase/Fine/Course	-

Switch Control Functions

Functions	Parameters	Factory File
Operate Menu		
Colour Temp.	5-positions	3200 K
Auto Black	On / Off	-
Knee	Off / Auto / Var	Var
Contour	Off / Var	Var
Gamma	1, 2, Var, Lin	1
Black Stretch	On / Off	Off
Monitoring	11-positions	CVBS
Bars	On / Off	Off
Exposure	5-positions	Nom
Filter	1(clear) - 7(cap)	1 (clear)
Gain	- / 0 / + / ++	0
Auto Iris	On / Off	On
Setup Menu 1		
Flare	On / Off	On
Monitoring	11-positions	CVBS
Matrix	1 / 2	2
Gamma	1, 2, Var, Lin	1
Knee	Off / Auto / Var	Var
Sawtooth	On / Off	Off
White Clipper	On / Off	On
Auto Iris	On / Off	On
Setup Menu 2		
Contour	Off / Var	Var
Soft Contour	On / Off	On
Monitoring	11-positions	CVBS
Contour sel	R / Y/ G / R+G	Y
Auto Iris	On / Off	On
Setup Menu 3		
Combine	On / Off	On
Monitoring	11-positions	CVBS
Asp. Ratio	MCP / Ext.	-
Asp. Ratio	16 : 9 / 4 : 3	-
Exposure	5-positions	Nom.
Auto-Light	On / Off	On
Notch	On / Off	Off
Chroma	On / Off	On
Maintenance Menu 1		
White Shading	On / Off	On
Max. User Level	0..4	-
Timing	On / Lock	-
Monitoring	11-positions	CVBS
Intercom	Syst / Iso	-
Audio	MCP / External	-
Audio 1	8-positions	-
Audio 2	8-positions	-
Bars	On / Off	Off
Cam. Power	On / Off	-

The master black value stored in the factory standard file is 50. The iris value is expressed as an F-stop. The master black and iris controls are always available.

Functions	Parameters	Factory File
Maintenance Menu 2		
OCP Controls		
Variable Black Str.		Yes
Variable Gamma		Yes
Variable Flare		Yes
Satuation		Yes
White Clipper		Yes
Knee slope		Yes
Knee point		Yes
Iris		Normal
OCP lock		Total
System		
Black contrast		Strch
Maintenance Menu 3 (LLA)		
Monitoring	11-positions	CVBS
Heater	On / Off	Off
Lens	Local / Remote	Rem
Lamp	Enable / Disable	Disable

A pop-up menu appears when there are more than two selections available.

Control Functions for LDK 23HS mkII

Analogue Control Functions

Functions	Parameters	Factory File
Operate Menu		
Gain	R/G/B	50/50/50
Black	R/G/B	50/50/50
Knee	Slope/Point	00/10
Contour	Level	50
Gamma	Master	76
Black Stretch	Master	50
Setup Menu 1		
Gain	R/G/B	50/50/50
Black	R/G/B	50/50/50
Flare	R/G/B	15/15/15
Gamma	R/Master/B	76/76/76
Knee Slope	R/Master/B	50/00/50
Knee Point	R/Master/B	50/10/50
White Clip	Master	56
Setup Menu 2		
Contour		
Level	Master	50
Soft Contour	Master	70
Coarse/fine	Master	25
V-Level	Master	50
Noise Slicer	Master	06
Level Depend	Master	50
Setup Menu 3		
Exposure control	-	151
Saturation	-	50
Maintenance Menu 1		
White Shading		
H. Saw	R/G/B	-
H. Par	R/G/B	-
V. Saw	R/G/B	-
V. Saw	R/G/B	-
Range ext	R/G/B	-
Timing	HPhase/Fine/Course	-

The master black value stored in the factory standard file is 50. The iris value is expressed as an F-stop. The master black and iris controls are always available.

Switch Control Functions

Functions	Parameters	Factory File
Operate Menu		
Colour Temp.	5-positions	3200 K
Auto Black	On / Off	-
Knee	Off / Auto / Var	Var
Contour	Off / Var	Var
Gamma	1, 2, Var, Lin	1
Black Stretch	On / Off	Off
Monitoring	11-positions	CVBS
Bars	On / Off	Off
Exposure	5-positions	Nom
Filter	1(clear) - 7(cap)	1 (clear)
Gain	- / 0 / + / ++	0
Auto Iris	On / Off	On
Setup Menu 1		
Flare	On / Off	On
Monitoring	11-positions	CVBS
Matrix	1 / 2	2
Gamma	1, 2, Var, Lin	1
Knee	Off / Auto / Var	Var
Sawtooth	On / Off	Off
White Clipper	On / Off	On
Auto Iris	On / Off	On
Setup Menu 2		
Contour	Off / Var	Var
Soft Contour	On / Off	On
Monitoring	11-positions	CVBS
Contour sel	R / Y/ G / R+G	Y
Auto Iris	On / Off	On
Setup Menu 3		
Combine	On / Off	On
Diskrec I/F	EVS / STD	-
Lighting	5-positions	-
Monitoring	11-positions	CVBS
Asp. Ratio	MCP / Ext.	-
Asp. Ratio	16 : 9 / 4 : 3	-
Exposure	5-positions	Nom.
Notch	On / Off	Off
Chroma	On / Off	On
Maintenance Menu 1		
White Shading	On / Off	On
Max. User Level	0..4	-
Timing	On / Lock	-
Monitoring	11-positions	CVBS
Intercom	Syst / Iso	-
Audio	MCP / External	-
Audio 1	8-positions	-
Audio 2	8-positions	-
Bars	On / Off	Off
Cam. Power	On / Off	-

Functions	Parameters	Factory File
Maintenance Menu 2		
OCP Controls		
Variable Black Str.		Yes
Variable Gamma		Yes
Variable Flare		Yes
Satuation		Yes
White Clipper		Yes
Knee slope		Yes
Knee point		Yes
Iris		Normal
OCP lock		Total
System		
Black contrast		Strch
Maintenance Menu 3 (LLA)		
Monitoring	11-positions	CVBS
Heater	On / Off	Off
Lens	Local / Remote	Rem
Lamp	Enable / Disable	Disable

A pop-up menu appears when there are more than two selections available.

Control Functions for LDK 100

Analogue Control Functions

Functions	Parameters	Factory File
Operate Menu		
Gain	R/G/B	50/50/50
Black	R/G/B	50/50/50
Knee	Slope/Point	00/12
Contour	Level	50
Gamma	Master	76
Black Stretch	Master	99
Setup Menu 1		
Gain	R/G/B	50/50/50
Black	R/G/B	50/50/50
Flare	R/G/B	10/15/25
Gamma	R/Master/B	76/76/76
Knee	Slope/Point	00/12
Knee Desaturation	Level	40
White Clip	Master	80
Setup Menu 2		
Contour		
Level	Master	50
Soft Contour	Master	70
Coarse/fine	Master	25
V-Level	Master	50
Noise Slicer	Master	5
Level Depend	Master	40
Setup Menu 3		
Contour	Master	50
Soft Contour	Master	70
Skin Level	Skin 1and 2	50
Skin 1 Window	R/B	50/50
Skin 1 Colour	R/B	50/50
Skin 2 Window	R/B	50/50
Skin 2 Colour	R/B	50/50
Setup Menu 4		
Iris Peak/average	Level	65
Exposure Control	-	50.6
Lighting	-	0
Notch Depth	Master	99
Saturation	Master	50
Setup Menu 5		
Matrix		
G->R/B->R	G->R/B->R	-/-
R->G/B->G	R->G/B->G	-/-
R->B/G->B	R->B/G->B	-/-
Gamma	R/Master/B	76/76/76

Functions	Parameters	Factory File
Maintenance Menu 1		
White Shading		
H. Saw	R/G/B	-/-/-
H. Par	R/G/B	-/-/-
V. Saw	R/G/B	-/-/-
V. Par	R/G/B	-/-/-
Range Extender	R/G/B	-/-/-
Timing	HPh/Fine/Coarse	-
Maintenance Menu 3 *		
Lens	Zoom/Focus	-
Lamp Dim	Level	88

The master black value stored in the factory standard file is 50. The iris value is expressed as an F-stop. The master black and iris controls are always available.

* Only with Large Lens Adaptor

Switch Control Functions

Functions	Parameters	Factory File
Operate Menu		
Colour Temp.	7-positions	3200 K
Auto Black	On / Off	-
Knee	Off / Auto / Var	Off
Contour	Off / Var	Var
Gamma	1 / 2 / Var / Lin	1
Black Stretch	On / Off	Off
Monitoring	11-positions	CVBS
Bars	On / Off	Off
Exposure	9-positions	Nom
Filter 1	clear / 1/4 / 1/16 1/64	clear
Filter 2	clear / 4-Star / 6-Star / Soft	clear
Gain	- / 0 / + / ++ /+++	0
Auto Iris	On / Off	-
Setup Menu 1		
Monitoring	11-positions	CVBS
Flare	On / Auto	Off
Gamma	1 / 2 / Var / Lin	1
Gamma curve	7-positions	ARD
Knee	Off / Auto / Var	Off
Knee source	Y / NAM	Y
Knee desaturation **	On / Off	Off
Sawtooth	On / Off	Off
White Clipper	On / Off	On
Auto Iris	On / Off	-
Setup Menu 2		
Contour	Off / Var	Var
Soft Contour ***	On / Off	On
Knee Contour	1..4 / On / Off	Off
Contour selection	Y/R/G/R+G	R+G
Monitoring	11-positions	CVBS
Auto Iris	On / Off	-
Setup Menu 3		
Contour	Off / Var	Var
Soft Contour ***	On / Off	Off
Skin Contour	Off / 1 / 2 / 1+2	Off
Skin Auto ****	On / Off	Off
Skin View *****	On /Off	Off
Monitoring	11-positions	CVBS
Setup Menu 4		
Monitoring	11-positions	CVBS
Asp. Ratio	MCP / Ext	Ext
Asp. Ratio	16:9 / 4:3	4:3
Exposure	10-positions	Nom
Notch	On / Off	On
Chroma	On / Off	On
Auto Iris	On / Off	-

Functions	Parameters	Factory File
Setup Menu 5		
Monitoring	11-positions	CVBS
Matrix selection	9-positions	Skin
Matrix sequence	M/G - G/M	G/M
Gamma	1 / 2 / Var / Lin	1
Gamma curve	7-positions	ARD
Maintenance Menu 1		
White Shading	On / Off	On
Cam. Disable	On / Off	Off
Lens *	Local / Remote	-
Monitoring	11-positions	CVBS
Bars	On / Off	Off
Intercom	Syst / Iso	-
Audio	MCP / External	-
Audio	8-positions	-
Cam. Power	On / Off	-
Maintenance Menu 2		
OCP Controls	Yes /No	
Variable Black Str.	Yes / No	Yes
Variable Gamma	Yes / No	Yes
Variable Flare	Yes / No	Yes
Satuation	Yes / No	Yes
White Clipper	Yes / No	Yes
Knee slope	Yes / No	Yes
Knee point	Yes / No	Yes
Iris	Normal / Reverse	Normal
OCP lock	Total / Upper	Total
System		
Black contrast	Strch / Press	Strch
Maintenance Menu 3 *		
Monitoring	11-positions	CVBS
Heater	On / Off	Off
Lens	Local / Remote	Rem
Lamp	Enable / Disable	Disable

A pop-up menu appears when there are more than two selections available.

*	Only with Large Lens Adaptor
**	Blocked if Knee = Off
***	Blocked if Contour = Off
****	Blocked if Skin Contour <> 1 or 2
*****	Blocked if Skin Contour = Off

Control Functions for LDK 200

Analogue Control Functions

Functions	Parameters	Factory File
Operate Menu		
Gain	R/G/B	50/50/50
Black	R/G/B	50/50/50
Knee	Slope/Point	60/50
Contour	Level	50
Gamma	Master	76
Black Stretch	Master	99
Setup Menu 1		
Gain	R/G/B	50/50/50
Black	R/G/B	50/50/50
Flare	R/G/B	10/15/25
Gamma	R/Master/B	76/76/76
Knee	Slope/Point	60/50
Knee Desaturation	Level	50
White Clip	Master	80
Setup Menu 2		
Contour		
Level	Master	50
Soft Contour	Master	70
Coarse/fine	Master	25
V-Level	Master	50
Noise Slicer	Master	5
Level Depend	Master	40
Setup Menu 3		
Contour	Master	50
Soft Contour	Master	70
Skin Level	Skin 1and 2	50
Skin 1 Window	R/B	50/50
Skin 1 Colour	R/B	50/50
Skin 2 Window	R/B	50/50
Skin 2 Colour	R/B	50/50
Setup Menu 4		
Iris Peak/average	Level	65
Exposure Control	-	50.6
Lighting	-	0
Notch Depth	Master	99
Saturation	Master	50
Setup Menu 5		
Matrix		
G->R/B->R	G->R/B->R	-/-
R->G/B->G	R->G/B->G	-/-
R->B/G->B	R->B/G->B	-/-
Gamma	R/Master/B	76/76/76

Functions	Parameters	Factory File
Maintenance Menu 1		
White Shading		
H. Saw	R/G/B	-/-/-
H. Par	R/G/B	-/-/-
V. Saw	R/G/B	-/-/-
V. Par	R/G/B	-/-/-
Range Extender	R/G/B	-/-/-
Timing	HPh/Fine/Coarse	-
Maintenance Menu 3 *		
Lens	Zoom/Focus	-
Lamp Dim	Level	88

The master black value stored in the factory standard file is 50. The iris value is expressed as an F-stop. The master black and iris controls are always available.

* Only with Large Lens Adaptor

Switch Control Functions

Functions	Parameters	Factory File
Operate Menu		
Colour Temp.	7-positions	3200 K
Auto Black	On / Off	-
Knee	Off / Auto / Var	Off
Contour	Off / Var	Var
Gamma	1 / 2 / Var / Lin	1
Black Stretch	On / Off	Off
Monitoring	11-positions	CVBS
Bars	On / Off	Off
Exposure	9-positions	Nom
Filter 1	clear / 1/4 / 1/16 1/64	clear
Filter 2	clear / 4-Star / 6-Star / Soft	clear
Gain	- / 0 / + / ++ / +++	0
Auto Iris	On / Off	-
Setup Menu 1		
Monitoring	11-positions	CVBS
Flare	On / Auto	Off
Gamma	1 / 2 / Var / Lin	1
Gamma curve	6-positions	ARD
Knee	Off / Auto / Var	Off
Knee source	Y / NAM	Y
Knee desaturation **	On / Off	Off
Sawtooth	On / Off	Off
White Clipper	On / Off	On
Auto Iris	On / Off	-
Setup Menu 2		
Contour	Off / Var	Var
Soft Contour ***	On / Off	On
Knee Contour	1..4 / On / Off	Off
Contour selection	Y/R/G/R+G	R+G
Monitoring	11-positions	CVBS
Auto Iris	On / Off	-
Setup Menu 3		
Contour	Off / Var	Var
Soft Contour ***	On / Off	Off
Skin Contour	Off / 1 / 2 / 1+2	Off
Skin Auto ****	On / Off	Off
Skin View *****	On /Off	Off
Monitoring	11-positions	CVBS
Setup Menu 4		
Monitoring	11-positions	CVBS
Asp. Ratio	MCP / Ext	Ext
Asp. Ratio	16:9 / 4:3	4:3
Exposure	9-positions	Nom
Notch	On / Off	On
Chroma	On / Off	On
Auto Iris	On / Off	-

Functions	Parameters	Factory File
Setup Menu 5		
Monitoring	11-positions	CVBS
Matrix selection	9-positions	Skin
Matrix sequence	M/G - G/M	G/M
Gamma	1 / 2 / Var / Lin	1
Gamma curve	7-positions	ARD
Maintenance Menu 1		
White Shading	On / Off	On
Cam. Disable	On / Off	Off
Lens *	Local / Remote	-
Monitoring	11-positions	CVBS
Bars	On / Off	Off
Intercom	Syst / Iso	-
Audio	MCP / External	-
Audio 1	8-positions	-
Audio 2	8-positions	-
Cam. Power	On / Off	-
Maintenance Menu 2		
OCP Controls	Yes /No	
Variable Black Str.	Yes / No	Yes
Variable Gamma	Yes / No	Yes
Variable Flare	Yes / No	Yes
Satuation	Yes / No	Yes
White Clipper	Yes / No	Yes
Knee slope	Yes / No	Yes
Knee point	Yes / No	Yes
Iris	Normal / Reverse	Normal
OCP lock	Total / Upper	Total
System		
Black contrast	Strch / Press	Strch
Maintenance Menu 3 *		
Monitoring	11-positions	CVBS
Heater	On / Off	Off
Lens	Local / Remote	Rem
Lamp	Enable / Disable	Disable

A pop-up menu appears when there are more than two selections available.

*	Only with Large Lens Adaptor
**	Blocked if Knee = Off
***	Blocked if Contour = Off
****	Blocked if Skin Contour <> 1 or 2
*****	Blocked if Skin Contour = Off

Control Functions for LDK 6000

Analogue Control Functions

Functions	Parameters	Factory File
Operate Menu		
Gain	R/G/B	50/50/50
Black	R/G/B	50/50/50
Knee	Slope/Point	60/50
Contour	Level	50
Gamma	Master	76
Black Stretch	Master	50
Setup Menu 1		
Gain	R/G/B	50/50/50
Black	R/G/B	50/50/50
Flare	R/G/B	10/15/25
Gamma	R/Master/B	76/76/76
Knee	Slope/Point	60/50
Knee Desaturation	Level	50
White Clip	Master	80
Setup Menu 2		
Contour	Master	50
Soft Contour	Master	70
Skin Level	Skin 1and 2	50
Skin 1 Window	R/B	50/50
Skin 1 Colour	R/B	50/50
Skin 2 Window	R/B	50/50
Skin 2 Colour	R/B	50/50
Setup Menu HDTV		
Contour		
Level	Master	50
Soft Contour	Master	70
Coarse/fine	Master	50
V-Level	Master	25
Noise Slicer	Master	5
Level Depend	Master	40
Setup Menu SDTV		
SDTV Contour		
Level	Master	50
Soft Contour	Master	70
Coarse/fine	Master	25
V-Level	Master	50
Noise Slicer	Master	6
Level Depend	Master	50
Setup Menu 3		
Iris Peak/average	Level	65
Exposure Control	-	50.6
Lighting	-	0
Notch Depth	Master	50
Saturation	Master	50
Setup Menu 4		
Matrix		
G->R/B->R	G->R/B->R	-/-
R->G/B->G	R->G/B->G	-/-
R->B/G->B	R->B/G->B	-/-
Gamma	R/Master/B	76/76/76

Functions	Parameters	Factory File
Maintenance Menu 1		
White Shading		
H. Saw	R/G/B	-/-/-
H. Par	R/G/B	-/-/-
V. Saw	R/G/B	-/-/-
V. Par	R/G/B	-/-/-
Range Extender	R/G/B	-/-/-
Timing	HPh/Fine/Coarse	-
Maintenance Menu 2[1]		
Lens	Zoom/Focus	-
Lamp Dim	Level	88

The master black value stored in the factory standard file is 50. The iris value is expressed as an F-stop. The master black and iris controls are always available.

[1] Only with Large Lens Adaptor

Switch Control Functions

Functions	Parameters	Factory File
Operate Menu		
Colour Temp.	8-positions	3200 K
Auto Black	On / Off	-
Knee	Off / Auto / Var	Off
Contour	Off / Var	Var
Gamma	1 / 2 / Var / Lin	1
Black Stretch	On / Off	Off
Monitoring	Y/G/R/B	Y
Bars	On / Off	Off
Exposure	9-positions	Nom
Filter 1	clear / 1/4 / 1/16 1/64	clear
Filter 2	clear / 4-Star / 6-Star / Soft	clear
Gain	- / 0 / + / ++ / +++	0
Auto Iris	On / Off	-
Setup Menu 1		
Monitoring	Y/G/R/B	Y
Video Mode[1]	available video modes	-
Flare	On / Auto	Off
Gamma	1 / 2 / Var / Lin	1
Gamma curve	6-positions	ARD
Knee	Off / Auto / Var	Off
Knee source	Y / NAM	Y
Knee desaturation[2]	On / Off	Off
Sawtooth	On / Off	Off
White Clipper	On / Off	On
Auto Iris	On / Off	-
Setup Menu 2		
Contour	Off / Var	Var
Soft Contour[3]	On / Off	On
Skin Contour	Off / 1 / 2 / 1+2	Off
Monitoring	Y/G/R/B	Y
Skin View[4]	On /Off	Off
Setup Menu HDTV		
Contour	Off / Var	Var
Soft Contour[3]	On / Off	On
Knee Contour	1..4 / Off	Off
Contour selection	Y/R/G/R+G	R+G
Monitoring	Y/G/R/B	Y
Auto Iris	On / Off	-
Setup Menu SDTV		
-		
Setup Menu 3		
Monitoring	Y/G/R/B	Y
Exposure	9-positions	Nom
Notch	On / Off	On
Chroma	On / Off	On
Auto Iris	On / Off	-

Functions	Parameters	Factory File
Setup Menu 4		
Monitoring	Y/G/R/B	Y
Matrix selection	9-positions	Skin
Matrix sequence	M/G - G/M	G/M
Gamma	1 / 2 / Var / Lin	1
Gamma curve	7-positions	ARD
Maintenance Menu 1		
White Shading	On / Off	On
Cam. Disable	On / Off	Off
Monitoring	Y/G/R/B	Y
Intercom	Syst / Iso	-
Audio	MCP / External	-
Audio 1	8-positions	-
Audio 2	8-positions	-
Bars	On / Off	Off
Cam. Power	On / Off	-
Maintenance Menu 2 [5]		
Monitoring	Y/G/R/B	Y
Heater	On / Off	Off
Lens	Local / Remote	Rem
Lamp	Enable / Disable	Disable
Maintenance Menu 2 (or 3 [5]**)**		
OCP Controls	Yes /No	
Variable Black Str.	Yes / No	Yes
Variable Gamma	Yes / No	Yes
Variable Flare	Yes / No	Yes
Satuation	Yes / No	Yes
White Clipper	Yes / No	Yes
Knee slope	Yes / No	Yes
Knee point	Yes / No	Yes
Contour	HDTV / SDTV	HDTV
Iris	Normal / Reverse	Normal
OCP lock	Total / Upper	Total
System		
Black contrast	Strch / Press	Strch

A pop-up menu appears when there are more than two selections available.

[1]   Press EXIT to select
[2]   Blocked if Knee = Off
[3]   Blocked if Contour = Off
[4]   Blocked if Skin Contour <> 1 or 2
[5]   If Large Lens Adapter is used

List of Abbreviations

B ....Blue
Bl .... Black

Cam .... Camera
Col .... Colour
Cont .... Contours
Crv .... Curve

Desat ....Desaturation

G .... Green

H...Horizontal

Kn .... Knee

Lin .... Linear
Loc .... Local

Maint .... Maintenance
MCP .... Master Control Panel

Mon .... Monitoring

Nom ....Nominal

OCP .... Operational Control Panel

P/A .... Peak/average
Par.. Parabola

R.. Red
Ref....................................... Reference

Saw .... Sawtooth
Sel .... Selection
Seq ....Sequence
Src .... Source
Str, Strch .... Stretch
Sys ....System

V .... Vertical
Var...Variable