Panasonic

ECS02-004

Editing Controller Setting

Model : AJ-HD1500P

- When the AJ-HD1500P is connected with the Editing Controller, the settings of VTR side and Controller side are set as follows;

Applicable to : BVE-600
BVE-700
BVE-800
BVE-900K
BVE-910
BVE-2000
BVE-9000
BVE-9100
AJ-A900

- SETUP Menu setting data of VTR side is default (factory) setting except comments.

BVE-600 Setting

1. Both Recorder and Player VTR device constant are set as follows;

Model	BLOCK-1								BLOCK-2						
	BYTE								BYTE						
	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7
Player	F0	33	00	5A	08	08	03	8A	0C	07	FF	00	81	3D	FF
Recorder	F0	33	00	5A	08	08	03	8A	0C	01	FF	00	81	3D	FF

(in the chart is different from BVW-75 setting)

BLOCK-1 BYTE-5 (Edit Delay) : 08 = -6 frame
BYTE-6 (EE Delay) : 08 = -6 frame
BYTE-8 (Trajectory) : high byte “8” = Cue Up by CUE UP WITH DATA
BLOCK-2 BYTE-2 (Start Delay) : 07 = 7 frame (Player), 01 = 1 frame (Recorder)

BVE-700 Setting

1. Both Recorder and Player VTR device constant are set as follows;
(Optimum value in case of PVW MODE = EE)

Model	BLOCK-1								BLOCK-2							
	BYTE								BYTE							
	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
Player	F0	33	00	5A	08	08	03	8A	0C	07	FF	00	80	3D	FF	00
Recorder	F0	33	00	5A	08	08	03	8A	0C	01	FF	00	80	3D	FF	00

(in the chart is different from BVW-75 setting)

BLOCK-1 BYTE-5 (Edit Delay) : 08 = -6 frame
BYTE-6 (EE Delay) : 08 = -6 frame
BYTE-8 (Trajectory) : high byte “8” = Cue Up by CUE UP WITH DATA
BLOCK-2 BYTE-2 (Start Delay) : 07 = 7 frame (Player), 01 = 1 frame (Recorder)
BYTE-8 (Pre Read) : 00 = No head, 01 = with head

BVE-800 Setting

1. SW1, SW2 and SW3 on the 9 Pin Interface Board of Recorder side are set as follows;

Model	SW1		SW2								SW3							
	R/P Setting		Edit Timing								Play Timing							
	Recorder		- 6 Frame								- 1 Frame							
	1	2	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
Recorder	ON	OFF	OFF	ON	OFF	ON			ON		OFF	ON	ON	ON		ON		

(Blank frame in the chart is not changed)

2. SW1, SW2 and SW3 on the 9 Pin Interface Board of Player side are set as follows;

Model	SW1		SW2								SW3							
	R/P Setting		Edit Timing								Play Timing							
	Recorder		- 6 Frame								- 7 Frame							
	1	2	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
Player	OFF	ON	OFF	ON	OFF	ON			ON		OFF	OFF	OFF	ON		ON		

(Blank frame in the chart is not changed)

SW2-7 (Time Code Discontinuity Process) : ON = CTL is not compensated
SW3-6 (Synchronization Accuracy) : ON = ± 0 frame

＊ Set the SETUP Menu No. 307 AFTER CUE UP to STOP (0000).
* Note * At BVE-800, editing is executed when the VTR goes to STOP mode after CUE-UP completion.

*** for your reference ***

In case of using the BVW-75 as a Recorder side, set the SW1, SW2 and SW3 on the 9 Pin Interface Board as follows;

Model	SW1		SW2								SW3							
	R/P Setting		Edit Timing								Play Timing							
	Recorder		- 3 Frame								- 7 Frame							
	1	2	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
BVW-75	ON	OFF	ON	OFF	ON	ON			ON		OFF	OFF	OFF	ON		ON		

(Blank frame in the chart is not changed)

BVE-900K, BVE-910 Setting

1. Both Recorder and Player VTR device constant are set as follows;

Model	CONSTANT 1								CONSTANT 2						
	DATA								DATA						
	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7
Player	F0	33	00	5A	08	08	03	8A	0C	07	FF	00	81	3D	FF
Recorder	F0	33	00	5A	08	08	03	8A	0C	01	FF	00	81	3D	FF

(in the chart is different from BVW-75 setting)

CONSTANT-1 DATA-4 (Min Preroll) : 5A = 3 sec
DATA-5 (Edit Delay) : 08 = -6 frame
DATA-6 (EE Delay) : 08 = -6 frame
DATA-8 (Trajectory) : high byte “8” = Cue Up by CUE UP WITH DATA
CONSTANT-2 DATA-2 (Start Delay) : 07 = 7 frame (Player), 01 = 1 frame (Recorder)
DATA-3 (After Sync Delay-)

BVE-2000 Setting

1. Both Recorder and Player VTR device constant are set as follows;

Model	DATA														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Player	F0	33	00	5A	08	08	03	8A	0C	07	FF	00	81	3D	FF
Recorder	F0	33	00	5A	08	08	03	8A	0C	01	FF	00	81	3D	FF

(in the chart is different from BVW-75 setting)

DATA-4 (Min Preroll) : 5A = 3 sec
DATA-5 (Edit Delay) : 08 = -6 frame
DATA-6 (EE Delay) : 08 = -6 frame
DATA-8 (Trajectory) : high byte “8” = Cue Up by CUE UP WITH DATA
DATA-10 (Start Delay) : 07 = 7 frame (Player), 01 = 1 frame (Recorder)

BVE-9000, BVE-9100 Setting

1. Both Recorder and Player VTR device constant are set as follows;

Model	CONSTANT 1								CONSTANT 2							
	DATA								DATA							
	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
Player	F0	33	00	5A	08	08	03	8A	0C	07	FF	00	81	3D	FF	5A
Recorder	F0	33	00	5A	08	08	03	8A	0C	01	FF	00	81	3D	FF	5A

(in the chart is different from BVW-75 setting)

CONSTANT-1 DATA-4 (Min Preroll) : 5A = 3 sec
DATA-5 (Edit Delay) : 08 = -6 frame
DATA-6 (EE Delay) : 08 = -6 frame
CONSTANT-2 DATA-2 (Start Delay) : 07 = 7 frame (Player), 01 = 1 frame (Recorder)

VTR Device Code

BVE-600 / BVE-900 / BVE-900K / BVE-9000 / BVE-2000

BLOCK	BYTE	ITEM	CONTENTS
1	1 2	Device Type	Set the VTR type.
	3 4	Min Preroll Time	Set the minimum Preroll Time which is required by the VTR.
	5	Edit Delay	Compensate the delay time from which the REC command is transmitted to the VTR and then the recording is started. (Frame unit)
	6	EE Delay	Compensate the delay time from which the PB/EE control command is transmitted to the VTR and then the VTR goes to the Preview mode. (Frame unit)
	7	Overrun	Compensate the extra running time when the tape is passed over the Preroll point during Preroll Stop period. (Frame unit)
	8	Trajectory Const	Regulate the optimum trajectory curve during Preroll period. (Poor convergence VTR has a big value) High byte “8” = Cue Up by CUE UP WITH DATA * BVE-900 (Ver. 1.04) cannot be available with the Cue Up by CUE UP WITH DATA.

BLOCK	BYTE	ITEM	CONTENTS
2	1	TC Read Delay	Compensate the delay time from which the tape is run and then the time code reading is actually stared. (Frame unit)
	2	Start Delay	Compensate the delay time from which the run command is transmitted to the VTR and then the VTR is turned ON actually. (Frame unit)
	3	After-Sync Delay -	Set the optimum command delay time, which is servo-locked to the right position from the lower speed direction, when the mode is changed to PLAY after synchronization is completed. (Frame unit)
	4	After-Sync Delay +	Set the optimum command delay time, which is servo-locked to the right position from the higher speed direction, when the mode is changed to PLAY after synchronization is completed. (Frame unit)
	5	Max Framing CTL Interpolation	BIT1 ~ 7 : Set the maximum framing which shows the VTR format. 0 = 2F LOCK 1 = 4F LOCK 2 = 8F LOCK Despite of SYNCHRONIZE SW setting on the System Setting Panel, the corresponding VTR is controlled by the framing which is less than the assigned framing. BIT8 : 1 = CTL compensation of time code can be available. 0 = Not available.
	6	CF Status Enable Max Frame Lock Time	BIT1 : 1 = CF status from the VTR is available. 0 = Not available BIT2 ~ 8 : Set the maximum time up to frame-lock of VTR. (Frame unit)
	7	Preroll Speed	Set the maximum speed of SHUTTLE mode when the Preroll (CUE UP) is executed. FF = Control by the FF/REW mode

9P INTERFACE Board (BK-809) SW Setting

SW1 : PLAYER1/2/RECORDER Setting Switch

Purpose of VTR Use	SW1	
	1	2
RECORDER	ON	
PLAYER1		ON
PLAYER2		

(Blank frame in the chart is OFF)

SW2-1 ~ 4 : Edit Command Timing Switch

		Output Timing of Edit Command (Frame)															
		-1*	-2	-3	-4	-5	-6	-7	-8	-9	-10	-11	-12	-13	-14	-15	-16
SW2	1	ON		ON		ON		ON		ON		ON		ON		ON	
	2	ON	ON			ON	ON			ON	ON			ON	ON		
	3	ON	ON	ON	ON					ON	ON	ON	ON				
	4	ON	ON	ON	ON	ON	ON	ON	ON								

* Default Setting (Blank frame in the chart is OFF)

SW2-6 : Selection of CUE UP (In case of PROM (IC96 ~ 102) software on MP-17 Board is more than Version –3)
ON = CUE UP by the SEARCH mode
OFF = CUE UP by FF/REW (over 1sec) + SEARCH (within 1 sec)

SW2-7 : Time code discontinuity process (In case of PROM (IC96 ~ 102) software on MP-17 Board is more than Version –2)
ON = Discontinuity process is not performed.
OFF = Discontinuity process is performed. (CTL is used at the Preroll and synchronization from the IN point)

SW2-8 :No use of 9P INTERFACE Board (BK-807)

SW3-1 ~ 4 : PLAY Command Timing Switch

		Output Timing of PLAY Command (Frame)															
		0	-1	-2	-3	-4	-5	-6	-7*	-8	-9	-10	-11	-12	-13	-14	-15
SW3	1	ON		ON		ON		ON		ON		ON		ON		ON	
	2	ON	ON			ON	ON			ON	ON			ON	ON		
	3	ON	ON	ON	ON					ON	ON	ON	ON				
	4	ON	ON	ON	ON	ON	ON	ON	ON								

* Default Setting (Blank frame in the chart is OFF)

Setting Method of PLAY Command Output Timing

1. Insert the tape (1 min) which is recorded the video signal continuously to each VTR.
2. Set the EDIT NUMBER to 900. (Press the key “9” first and then “0” and “0” pressing the “EDIT#” key simultaneously.)
3. Press the “PREVIEW” key. Run the VTR with the PREVIEW mode and then stop automatically. When the PREVIEW lamp is turned OFF, the data is displayed on the time counter at the same time.
   * Note * When AJ-HD1500P/HD1600P is Recorder side, it performs with selecting the EDIT PRESET.
4. Set the SW3-1 ~ 4 as this data is frame number described above table.

SW3-6 : Synchronization Accuracy
ON = ±0 frame
OFF = ±1 frame

SW3-7 : No use of 9P INTERFACE Board (BK-807)

SW3-8 : Color Framing Switch
ON = CF edit is executed on the SYNCHRONIZE SW OFF position.
OFF = CF edit is not executed on the SYNCHRONIZE SW OFF position.

AJ-A900 Setting

1. SETUP Menu No. 202 : ID SEL at the VTR side (both Recorder and Player) is set to “ORIG (0002)".
   ∗ In case of connecting the Controller made by SONY, SETUP Menu No. 202 : ID SEL at the VTR side (both Recorder and Player) is set to “DVCPRO (0001)". (Default setting)
2. "1. MODE" of the PORT which is connected with < ENTER (Lower Panel) + SETUP (F9) > of VTR CONSTANT on the Controller is set to "AUTO (F1)",

AG-A850 Setting

1. Both Recorder and Player VTR device constant are set as follows;

No.	Screen Display	AJ-HD1500/1600 (Recorder)	AJ-HD1500/1600 (Recorder)	Default Setting	Remark
12 x-01	DEVICE TYPE	FF FE	FF FE	FF FF	Required correction
12 x-02	PREROLL TIME	Timely	Timely	05:00	
12 x-03	EDIT DELAY	06F	06F	06F	No Correction
12 x-04	EE DELAY	06F	06F	06F	No Correction
12 x-05	TC READ DELAY	03F	03F	03F	
12 x-06	START DELAY	00F	06F	05F	Required correction
12 x-07	A SYNC DELAY-	03F	03F	00F	Required correction
12 x-08	A SYNC DELAY+	03F	03F	03F	No Correction
12 x-09	CF LOCK MODE	4FIELD	4FIELD	4FIELD	
12 x-10	CF LOCK STATUS	VALID	VALID	VALID	
12 x-11	SERVO DELAY	00F	00F	00F	
12 x-12	MAX CUE-UP SPD	FF/REW	FF/REW	FF/REW	
12 x-13	SELF CUE-UP TIME	5m	5m	5m	
12 x-14	CUE-UP CHECK 1	1F	1F	1F	
12 x-15	CUE-UP CHECK 2	STS	STS	STS/TM	Required correction
12 x-16	STILL CHECK	1%	1%	1%	
12 x-17	SHTL LOW SPEED	SHTL	SHTL	SHTL	
12 x-18	HEAD SELECT R-VTR	R/P	R/P	R/P	
12 x-19	HEAD SELECT P-VTR	PB	PB	PB	
12 x-20	EDIT PRESET COM	2byte	2byte	2byte	
12 x-21	MODEL	VTR	VTR	VTR	
12 x-22	MODE	00	00	00	
12 x-23	CUE CNTRL (ASMBL)	OFF	OFF	OFF	
12 x-24	CUE CNTRL (V)	OFF	OFF	OFF	
12 x-25	CUE CNTRL (A1)	OFF	OFF	OFF	
12 x-26	CUE CNTRL (A2)	OFF	OFF	OFF	
12 x-27	CUE CNTRL (A3)	OFF	OFF	OFF	
12 x-28	CUE CNTRL (A4)	OFF	OFF	OFF	