



# Broadcast Products Technical Bulletin 20-2015-068

DATE: February 23, 2015

SUBJECT: **COMPENSATION PROCEDURE FOR VERTICAL LINE**

MODEL: **HSC100R//CK**  
*HSC100R//UF*  
*HSC100R//UL*  
*HSC100R/F*  
**HSC100R/K**  
*HSC100R/L*  
*HSC100R/T*  
**HSC100RF//CL**  
*HSC100RF//UL*  
*HSC100RF/L*  
**HSC100RF/L**  
*HSC300R//UF*  
*HSC300R//UL*  
*HSC300R/F*  
**HSC300R/K**  
*HSC300R/L*  
*HSC300RF//UL*  
*HSC300RF/L*  
**HSC300RF/L**  
*HSC300RF/T*  
*HSC-E80R//CF*  
*HSC-E85RF//CL*  
*HSC-E85RF//CT*

SERIAL NO: **ALL**

*Italicized information in green applies to customers outside the United States.*

**DESCRIPTION**

This bulletin provides the procedure to compensate for the vertical line of the CCD (white/black), which may be visible.

**COMPENSATION PROCEDURE****Equipment Required**

- HD waveform monitor: Leader Electronics Corp LV5150DA/ LV5152DA (supporting multi-format), or equivalent
- HD color monitor: Sony BVM-D20F1J/BVM-D14H5J or equivalent
- Master setup unit: Sony MSU-1000/1500
- Lens: Canon HJ18 or equivalent
- Pattern box PTB-500 (J-6029-140-B)

**Preparation**

1. Perform the Auto Black Balance (ABB) adjustment.
2. Set the menu as follows:  
SERVICE > V.LINE > RPN CURSOR > ON
3. Set MSU-1000/1500 as follows:

KNEE OFF button	OFF	(Light ON)
DETAIL OFF button	ON	(Light OFF)
LVL DEP OFF button	OFF	(Light ON)
GAMMA OFF button	ON	(Light OFF)
MATRIX OFF button	OFF	(Light ON)
MASTER GAIN	12	

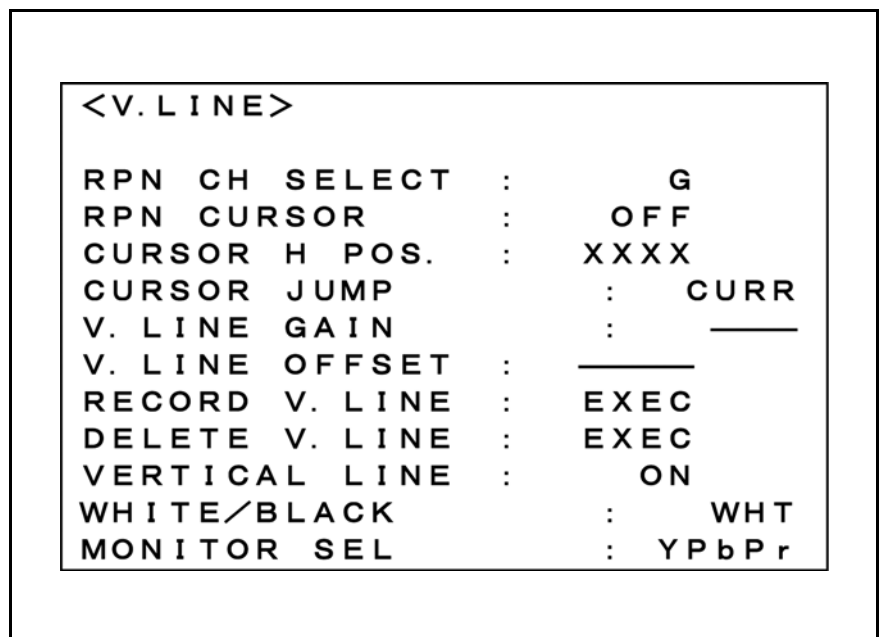
**Procedure (See Figure 1.)**

1. Set IRIS to Close.
2. For MONITOR SEL, select the channel in which the vertical line is visible.
3. For RPN CH SELECT, select the channel in which the vertical line is visible.
4. Set the RPN CURSOR to the position where the vertical line is visible by observing the HD color monitor.
5. Enlarge the display of the HD waveform monitor so that the RPN CURSOR is positioned in the center (MAG ×10 or equivalent).
6. Set RPN CURSOR to OFF.

HDCM14-066

7. Set the right arrow (→) to RECORD V.LINE > EXEC, and press ENTER.
8. When the message EXECUTE OK? is displayed, set → to YES, and press ENTER.
9. If the vertical line is white, set WHITE/BLACK to WHITE.  
If the vertical line is black, set WHITE/BLACK to BLACK.
10. Adjust V.LINE OFFSET so that the vertical line disappears.
11. Shoot the full-white pattern box, and adjust the iris so that the signal level is 600 mV.
12. Adjust V.LINE GAIN so that the vertical line disappears.
13. Set → to RECORD V.LINE: EXEC, and press ENTER.
14. When the message EXECUTE OK? is displayed, set → to YES, and press ENTER.

The message COMPLETE is displayed and the data are saved.



*Figure 1*