

Aux Status Display Monitoring of ANC Data

WFM6120/7020/7120 & WVR6020/7020/7120 Version 5.2.4 Software

How To Guide



Auxiliary Data Status											
Anc Data: Y and C Present			nt								
CEA608: CEA708: Teletext:	5334 CDP (ANC) 5334 CDP (ANC) Not detected		Servie Servie	D 25 : D25:	ссі— Т: ссі——	хт——	XDS RP207:				
CDP: Present		Frm F	tate: 2	9.97	Data	Count 608:	4	708:	18		
V-Chip Rating: (US TV) TV-G TSID: Not detected											
CGMS-A:	Not c	letected		Broadcast Flag: Not detected							
SMPTE 2016	AFD:	Not detecte	d								
	best: Sar l:	Not detecte	d								
i	Bar 2:	Not detected	sd .								
				Error	Law	18					
				Alarn	n Status						
Display Type Aux Data Status			tatus / 🕨	Video	Session						
Mute Alarms On / Off Burnet AMC Data		Danast	Aux D	lata Status							
Reset ANC L	Reset ANC Data Press SEL to Reset. SDI Status										
1000) 58/94 SDI Input A Ref: Internal	RGB Gan	uut Error		Tektr	onix	ID: WVR71 Audio Inp TC:	120_ALPHAO ut: Not Selected Disab	aled			

Figure 1. Aux Data Status Display.

This firmware version 5.2.4 shows the presence of 3 ANC Data types selected by the user in the Auxillary Data Status display.

How To Configure Ancillary Data Types within Aux Data Status

- 1. Select one of the tiles (1,2,3,4) and press the Status button
- 2. Select FULL to make the display full screen, pressing FULL again will toggle back to FlexVu™.
- 3. Press and hold the Status button to display the menu.
- 4. Move up and down the menu using the Arrow Keys or General Knob to the Display Type menu.
- 5. Enter the sub menu by pressing SEL and navigate to the Aux Data Status display. (Figure 1)

Note: If no ANC Data Types are configured within the configuration menu the Auxiliary Data Status display will show no entries for user define ANC Data types within the display as shown in Figure 1.

Auxiliary Data Status										
Anc Data:		Y and C Present								
CEA608: CEA708: Teletext:	S334 CDP (ANC) S334 CDP (ANC) Not detected		Services: Services:	CC1 CC1	- TXT	XDS: RP207:	Error			
CDP:	Present		Frm Rate:	29.97	Data	Count 608: 4	708: 6			
V-Chip Rat:	ing: (US	TV) TV-G								
TSID:	Not	detected								
CGMS-A:	Not	detected		Broad	icast Flag:	Not detected				
SMPTE 2016	AFD:	Not detected								
	Desc:	None								
	Rar 1:	Not detected								
Rar 1: CONFIG MENU Input Monitor Mode SDI Input Composite Input External Ref. Alarms Gomut Thresholds Physical Layer Settings Display Settings Monsurement Settings Newsurement Settings Resoluts Graticules Network Settings Utilities		Timecode Source VITC Line Select Mode VITC Line Select (525) VITC Line Select (525) CEA 608 Settings CEA 708 Settings Teletext B Settings ARIB Content Display CGMS-A Config H-Disallowed Values L-APS Disallowed Values CGMS-A Config ANC Data Type 1 ANC Data Type 3	Off /- Auto /- 14 /- 19 /- Enable / D Optional / Press SEL Press SEL Sector /- Gx00 /-	(sabla 	Name Sina SDID Ox05	7- 20000				
10001 52.04 SDI Input A RGB Gamut Error Ref: Internal			Tek	tronix	ID: WV871 Audio Inp TC:	20_ALFHAO ut: Not Selected Disabled				

Figure 2. Configuration menu for ANC Data Types.

Configuring Aux Data Status to display user selected ANC Data types

- 1. Press the CONFIG button to display the menu.
- 2. Move up and down the menu using the Arrow Keys or General Knob to select the Aux Data Settings menu.
- 3. Press SEL to enter sub menus and scroll up and down to ANC Data Type (1,2,3).
- 4. Press SEL to enter next sub menu to edit ANC Data Type Name, DID and SDID.
- 5. Note if the name is left blank and entered DID and SDID conform to RP291 then the label of the ANC data type will be filled in automatically on the Aux Data Status display.
- 6. Move up and down the menu using the Arrow Keys or General Knob to select the Name, DID and SDID. Then press SEL to edit the value.
- 7. Move up and down the menu using the Arrow Keys or General Knob to change the value.

For example enter a DID of 0x41h and SDID 0x05h to display the SMPTE 2016 AFD value.

Auxiliary Data Status										
Anc Data:	Y an	d C Presei	at							
CEA608: CEA708: Teletext: CDP:	i08: Not detected '08: Not detected ext: Not detected Not detected Not detected					RP207:				
V-Chip Rating: Not Detected										
TSID: CCMS AT	Not dete	cted	Proodcost Flogs Not detected							
COND-A.	CGMD-A: Not detected			broaucast riag: Not detected						
SMPTE 2016 A D Ba Ba	ll – AR is 16 t 4:3 center) : found found	:9 in 16:9 fi	rame							
S2016–3 AFD–Bar		(41/ 5):	Pr	esent	No Error		1	Field 1/Line 21		
5334-1 CDP(708) \$2020 And		(61/-1): (45/-1):	Pr	Was Present		 No Error		 Field 1/Line 22		
			,		,					
Name / Label DID / SDI		Presence		E	Error		Field / Line			
			Det Was D	ected Detected	Ind	ication		Location		
1080i 59.94 SDI Input A Ref: Internal				Tektronix		ID: WVR7 Audio Inj TC:	WVR7120_ALPHA0 lio Input: Not Selected Disabled			

Figure 3. Aux Data Status Display with user ANC Data Types selected.

Once the data types have been configured by the user the Aux Data Status display will show up to 3 ANC Data Types as shown in Figure 3.

References

- WFM6000/7000 Series Waveform Monitors
- WVR6000/7000 Series Waveform Monitors

Data Sheets, Fact Sheets and additional product materials can befoundatwww.tektronix.com/video_test/signal_monitors.html

Contact Tektronix:

ASEAN / Australasia (65) 6356 3900 Austria +41 52 675 3777 Balkans, Israel, South Africa and other ISE Countries +41 52 675 3777 Belgium 07 81 60166 Brazil +55 (11) 3759-7627 Canada 1 (800) 661-5625 Central East Europe, Ukraine and the Baltics +41 52 675 3777 Central Europe & Greece +41 52 675 3777 Denmark +45 80 88 1401 Finland +41 52 675 3777 France +33 (0) 1 69 86 81 81 Germany +49 (221) 94 77 400 Hong Kong (852) 2585-6688 India (91) 80-42922600 Italy +39 (02) 25086 1 Japan 81 (3) 6714-3010 Luxembourg +44 (0) 1344 392400 Mexico, Central/South America & Caribbean 52 (55) 54247900 Middle East, Asia and North Africa +41 52 675 3777 The Netherlands 090 02 021797 Norway 800 16098 People's Republic of China 86 (10) 6235 1230 Poland +41 52 675 3777 Portugal 80 08 12370 Republic of Korea 82 (2) 6917-5000 Russia & CIS +7 (495) 7484900 South Africa +27 11 206 8360 Spain (+34) 901 988 054 Sweden 020 08 80371 Switzerland +41 52 675 3777 Taiwan 886 (2) 2722-9622 United Kingdom & Ireland +44 (0) 1344 392400 USA 1 (800) 426-2200 For other areas contact Tektronix, Inc. at: 1 (503) 627-7111 Contact information updated 4 August 2009

For Further Information

Tektronix maintains a comprehensive, constantly expanding collection of application notes, technical briefs and other resources to help engineers working on the cutting edge of technology. Please visit www.tektronix.com

Æ.

Copyright © 2010, Tektronix. All rights reserved. Tektronix products are covered by U.S. and foreign patents, issued and pending. Information in this publication supersedes that in all previously published material. Specification and price change privileges reserved. TEKTRONIX and TEK are registered trademarks of Tektronix, Inc. All other trade names referenced are the service marks, trademarks or registered trademarks of their respective companies. 1/10 EA/WWW 2PW-24917-0

