



Kahuna

New Preferred Input Standard

Supplement Document

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New Preferred Input Standard Feature

Included in Kahuna software release V9.2r3 is a new feature which allows users to set preferred video standards for each input to the mainframe. A warning is given when an input standard does not match the preferred standard.

With a FormatFusion™ license on the mainframe, the switcher will continue to convert the incoming video to the system standard even if a warning is given.

There is a change on the “**Eng Config -Input Setup -Standard**” menu.
GUI page (Menu 8761)

Source	Name	Standard	V Offset	Ancillary	Timing	Margin	Payload	
Input E1..4	Spig E1	1080i/59.94	UHD	0	H + V	1.19 µs	3.81 µs	None detected
Input E2	Spig E2	1080i/59.94	UHD	0	H + V	1.20 µs	3.80 µs	None detected
Input E3	Spig E3	1080p/59.94 A	UHD	0	H + V	0.84 µs	4.16 µs	None detected
Input E4	Spig E4	1080p/59.94 A	UHD	0	H + V	0.84 µs	4.16 µs	None detected
Input E5..8	Spig E5	1080i/59.94	UHD	0	H + V	1.20 µs	3.80 µs	None detected
Input E6	Spig E6	1080p/59.94 A	UHD	0	H + V	0.84 µs	4.16 µs	None detected
Input E7	Spig E7	1080p/59.94 A	UHD	0	H + V	0.84 µs	4.16 µs	None detected
Input E8	Spig E8	1080p/59.94 A	UHD	0	H + V	0.84 µs	4.16 µs	None detected
Input E9..12	Spig E9	1080p/59.94 A	UHD	0	H + V	0.84 µs	4.16 µs	None detected
Input E10	Spig E10	1080p/59.94 A	UHD	0	H + V	0.84 µs	4.16 µs	None detected
Input E11	Spig E11	1080p/59.94 A	UHD	0	H + V	0.84 µs	4.16 µs	None detected
Input E12	Spig E12	1080p/59.94 A	UHD	0	H + V	0.84 µs	4.16 µs	None detected
Input G1..4	Spig G1	No Video	UHD	0	H + V			
Input G2	Spig G2	No Video	UHD	0	H + V			
Input G3	Spig G3	No Video	UHD	0	H + V			
Input G4	Spig G4	No Video	UHD	0	H + V			
Input G5..8	Spig G5	No Video	UHD	0	H + V			
Input G6	Spig G6	No Video	UHD	0	H + V			
Input G7	Spig G7	No Video	UHD	0	H + V			
Input G8	Spig G8	No Video	UHD	0	H + V			
Input G9..12	Spig G9	No Video	UHD	0	H + V			
Input G10	Spig G10	No Video	UHD	0	H + V			
Input G11	Spig G11	No Video	UHD	0	H + V			
Input G12	Spig G12	No Video	UHD	0	H + V			
Input H1..4	Spig H1	No Video	UHD	0	H + V			

Input Status

Timing: 0.84 µs
Margin: 4.16 µs
CRC: 013B/18F6
Payload: None detected
Status: Good

Input Settings

Use Default Standard: No
Local Standard: 1080p/59.94 A
V Offset: 0

Buttons: HANC, VANC, UHD Input, Copy & Next

Preferred Mode

Buttons: Standard Warnings

Overview... Standard... Mapping... Names & TieLines... Format Fusion... Color... HDR... UHD... IPI...

The standard settings for the selected input are grouped at the bottom right of the input list table.

With the **Preferred Mode Standard Warnings** button **not** selected, the system works normally and the Preferred Standards feature is not enabled.

Normal Mode

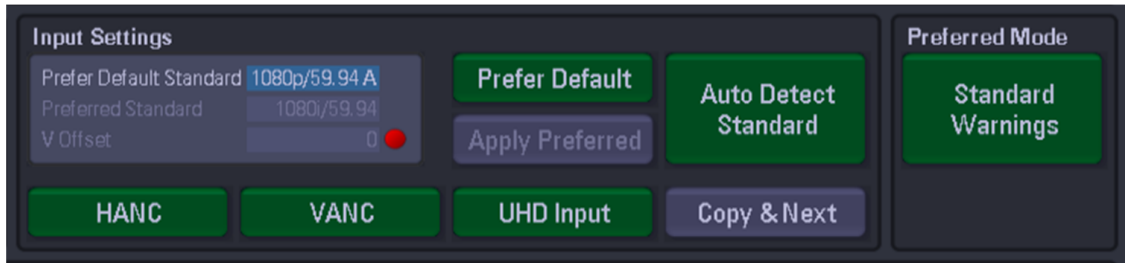
Auto Detect Standard – It is recommended that systems with a FormatFusion license should have this selected. In this state, the input will be detected and converted to the system standard.

Use Default – This will force the input to be the Default system standard and if the incoming video standard does not match, FormatFusion will not convert the input to System Standard. Auto Detect Standard is inoperable in this state.

Apply Standard – The user can set the intended incoming standard in the **Local Standard** list and then push this button. If this standard is received, FormatFusion will convert it to the system standard.

Preferred Mode

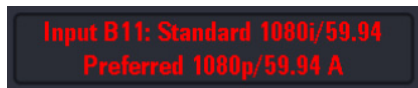
When the **Preferred Mode Standard Warnings** mode is selected the buttons on this area of the GUI change.



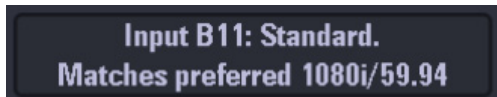
Prefer Default – with this selected, the switcher will give a warning when the selected input does not match the “**Default System Standard**”. With “**Auto Detect Standard**” lit, FormatFusion will still convert the incoming video to the system standard but the warning will still be given.

Apply Preferred – it is possible to set the preferred standard to be something other than the Default System Standard from the **Preferred Standard** list and then hitting this button. A warning will be issued if the standard does not match this “**Preferred**” standard. With Auto Detect Standard lit, FormatFusion will still convert the incoming video to the system standard but the warning will still be given.

Warnings are given on the GUI as a Red Warning which shows for a few seconds when the problem is detected:



When the problem is resolved a 2nd message is given:



These messages appear in the Message Logs on Menu 8725

Time	Messages
13:45:23	Input B11: Standard. Matches preferred 1080i/59.94
13:45:14	Input B11: Standard 1080i/59.94 Preferred 1080p/59.94 A

These warnings also appear on any connected Syslog connection:

Preferred Standard: Input B11: WARNING Std. 1080i/59.94 Preferred 1080p/59.94 A

Preferred Standard: Input B11: OK Std. 1080i/59.94

Syslog entries will always start with the text “**Preferred Standard**” and this can be used to set up filtering in Syslog.

Contact Information

Grass Valley Technical Support

For technical assistance, contact our international support center, at 1-800-547-8949 (US and Canada) or +1 530 478 4148.

To obtain a local phone number for the support center nearest you, please consult the Contact Us section of Grass Valley's website (www.grassvalley.com).

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