

codex

USER GUIDE

ARRIRAW QUICK SETTINGS GUIDE
ONBOARD S RECORDER AND ARRI ALEXA

REVISION 11.12.2012



4:3 ARRIRAW Quick Settings Guide - Codex Onboard S Recorder and ARRI Alexa

Standard Frame Rates

What frame rate are you shooting?	23.98	24.00	25.00	29.97	30.00	48.00
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ARRI Alexa settings

MENU ▶ RECORDING ▶ REC OUT ▶ HD-SDI format	ARRIRAW 3G SL	ARRIRAW 3G SL	ARRIRAW 3G SL	ARRIRAW 3G SL	ARRIRAW 3G SL	ARRIRAW 3G DL
MENU ▶ RECORDING ▶ REC OUT ▶ Frame rate	23.98	24.00	25.00	29.97	30.00	48.00
MENU ▶ RECORDING ▶ REC OUT ▶ REC OUT fps sets sensor fps	On	On	On	On	On	On
MENU ▶ RECORDING ▶ REC OUT ▶ SDI remote	On	On	On	On	On	On
MENU ▶ RECORDING ▶ REC OUT ▶ Variflag	On	On	On	On	On	On
TIMECODE ▶ OPTIONS	Int TC or Ext LTC	Int TC or Ext LTC	Int TC or Ext LTC	Int TC or Ext LTC	Int TC or Ext LTC	Int TC or Ext LTC
TIMECODE ▶ MODE	Free Run	Free Run	Free Run	Free Run	Free Run	Free Run
Single Link or Dual Link signal (cable setup)	Single Link	Single Link	Single Link	Single Link	Single Link	Dual Link

Codex Onboard S Settings

[Setup] ▶ [Video] ▶ Format	ARRIRAW-2880x2160p	ARRIRAW-2880x2160p	ARRIRAW-2880x2160p	ARRIRAW-2880x2160p	ARRIRAW-2880x2160p	ARRIRAW-2880x2160p
[Setup] ▶ [Video] ▶ Fps	23.98	24.00	25.00	29.97	30.00	48.00
[Setup] ▶ [Video] ▶ Storage	12-bit Bayer	12-bit Bayer	12-bit Bayer	12-bit Bayer	12-bit Bayer	12-bit Bayer
[Setup] ▶ [Video] ▶ Quality	1:1	1:1	1:1	1:1	1:1	1:1
[Setup] ▶ [Video] ▶ Channels	1	1	1	1	1	1
[Setup] ▶ [Video] ▶ Variframe	Off	Off	Off	Off	Off	Off
[Setup] ▶ [Timecode] ▶ Tc Source	HD VANC	HD VANC	HD VANC	HD VANC	HD VANC	HD VANC
[Setup] ▶ [Timecode] ▶ Fix Tc Breaks	No	No	No	No	No	No
[Setup] ▶ [Timecode] ▶ Metadata	ARRI	ARRI	ARRI	ARRI	ARRI	ARRI
[Setup] ▶ [GPI] ▶ Record Trigger	SDI	SDI	SDI	SDI	SDI	SDI

Non-standard Frame Rates

Note: it is recommended to use the settings in the rightmost column below (0.75-48.00). With these settings you can record all sensor rates the Alexa is capable of in 4:3 ARRIRAW mode.

What frame rate are you shooting?	0.75-23.98	0.75-24.00	0.75-25.00	0.75-29.97	0.75-30.00	0.75-48.00
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ARRI Alexa Settings

MENU ▶ RECORDING ▶ REC OUT ▶ HD-SDI format	ARRIRAW 3G SL	ARRIRAW 3G SL	ARRIRAW 3G SL	ARRIRAW 3G SL	ARRIRAW 3G SL	ARRIRAW 3G DL
MENU ▶ RECORDING ▶ REC OUT ▶ Frame rate	23.98	24.00	25.00	29.97	30.00	48.00
MENU ▶ RECORDING ▶ REC OUT ▶ REC OUT fps sets sensor fps	Off	Off	Off	Off	Off	Off
MENU ▶ RECORDING ▶ REC OUT ▶ SDI remote	On	On	On	On	On	On
MENU ▶ RECORDING ▶ REC OUT ▶ Variflag	On	On	On	On	On	On
HOME ▶ FPS	< Your Choice >	< Your Choice >	< Your Choice >	< Your Choice >	< Your Choice >	< Your Choice >
TIMECODE ▶ OPTIONS	Int TC or Ext LTC	Int TC or Ext LTC	Int TC or Ext LTC	Int TC or Ext LTC	Int TC or Ext LTC	Int TC or Ext LTC
TIMECODE ▶ MODE	Free Run	Free Run	Free Run	Free Run	Free Run	Free Run
Single Link or Dual Link signal (cable setup)	Single Link	Single Link	Single Link	Single Link	Single Link	Dual Link

Codex Onboard S Settings

[Setup] ▶ [Video] ▶ Format	ARRIRAW-2880x2160p	ARRIRAW-2880x2160p	ARRIRAW-2880x2160p	ARRIRAW-2880x2160p	ARRIRAW-2880x2160p	ARRIRAW-2880x2160p
[Setup] ▶ [Video] ▶ Fps	23.98	24.00	25.00	29.97	30.00	48.00
[Setup] ▶ [Video] ▶ Storage	12-bit Bayer	12-bit Bayer	12-bit Bayer	12-bit Bayer	12-bit Bayer	12-bit Bayer
[Setup] ▶ [Video] ▶ Quality	1:1	1:1	1:1	1:1	1:1	1:1
[Setup] ▶ [Video] ▶ Channels	1	1	1	1	1	1
[Setup] ▶ [Video] ▶ Variframe	On	On	On	On	On	On
[Setup] ▶ [Timecode] ▶ Tc Source	HD VANC	HD VANC	HD VANC	HD VANC	HD VANC	HD VANC
[Setup] ▶ [Timecode] ▶ Fix Tc Breaks	No	No	No	No	No	No
[Setup] ▶ [Timecode] ▶ Metadata	ARRI	ARRI	ARRI	ARRI	ARRI	ARRI
[Setup] ▶ [GPI] ▶ Record Trigger	SDI	SDI	SDI	SDI	SDI	SDI

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Standard Frame Rates

What frame rate are you shooting?	23.98	24.00	25.00	29.97	30.00	48.00	50.00	59.94	60.00
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ARRI Alexa settings

MENU ▶ RECORDING ▶ REC OUT ▶ HD-SDI format	ARRIRAW 3G SL	ARRIRAW 3G SL	ARRIRAW 3G SL	ARRIRAW 3G SL	ARRIRAW 3G SL	ARRIRAW 3G DL	ARRIRAW 3G DL	ARRIRAW 3G DL	ARRIRAW 3G DL
MENU ▶ RECORDING ▶ REC OUT ▶ Frame rate	23.98	24.00	25.00	29.97	30.00	48.00	50.00	59.94	60.00
MENU ▶ RECORDING ▶ REC OUT ▶ REC OUT fps sets sensor fps	On	On	On	On	On	On	On	On	On
MENU ▶ RECORDING ▶ REC OUT ▶ SDI remote	On	On	On	On	On	On	On	On	On
MENU ▶ RECORDING ▶ REC OUT ▶ Variflag	On	On	On	On	On	On	On	On	On
TIMECODE ▶ OPTIONS	Int TC or Ext LTC	Int TC or Ext LTC	Int TC or Ext LTC	Int TC or Ext LTC	Int TC or Ext LTC	Int TC or Ext LTC	Int TC or Ext LTC	Int TC or Ext LTC	Int TC or Ext LTC
TIMECODE ▶ MODE	Free Run	Free Run	Free Run	Free Run	Free Run	Free Run	Free Run	Free Run	Free Run
Single Link or Dual Link signal (cable setup)	Single Link	Single Link	Single Link	Single Link	Single Link	Dual Link	Dual Link	Dual Link	Dual Link

Codex Onboard S Settings

[Setup] ▶ [Video] ▶ Format	ARRI-2880x1620p	ARRI-2880x1620p	ARRI-2880x1620p	ARRI-2880x1620p	ARRI-2880x1620p	ARRI-2880x1620p	ARRI-2880x1620p	ARRI-2880x1620p	ARRI-2880x1620p
[Setup] ▶ [Video] ▶ Fps	23.98	24.00	25.00	29.97	30.00	48.00	50.00	59.94	60.00
[Setup] ▶ [Video] ▶ Storage	12-bit Bayer	12-bit Bayer	12-bit Bayer	12-bit Bayer	12-bit Bayer	12-bit Bayer	12-bit Bayer	12-bit Bayer	12-bit Bayer
[Setup] ▶ [Video] ▶ Quality	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1
[Setup] ▶ [Video] ▶ Channels	1	1	1	1	1	1	1	1	1
[Setup] ▶ [Video] ▶ Variframe	Off	Off	Off	Off	Off	Off	Off	Off	Off
[Setup] ▶ [Timecode] ▶ Tc Source	HD VANC	HD VANC	HD VANC	HD VANC	HD VANC	HD VANC	HD VANC	HD VANC	HD VANC
[Setup] ▶ [Timecode] ▶ Fix Tc Breaks	No	No	No	No	No	No	No	No	No
[Setup] ▶ [Timecode] ▶ Metadata	ARRI	ARRI	ARRI	ARRI	ARRI	ARRI	ARRI	ARRI	ARRI
[Setup] ▶ [GPI] ▶ Record Trigger	SDI	SDI	SDI	SDI	SDI	SDI	SDI	SDI	SDI

Non-standard Frame Rates

Note: it is recommended to use the settings in the rightmost column below (0.75-60.00). With these settings you can record all sensor rates the Alexa is capable of in 16:9 ARRIRAW mode.

What frame rate are you shooting?	0.75-23.98	0.75-24.00	0.75-25.00	0.75-29.97	0.75-30.00	0.75-48.00	0.75-50.00	0.75-59.94	0.75-60.00
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ARRI Alexa Settings

MENU ▶ RECORDING ▶ REC OUT ▶ HD-SDI format	ARRIRAW 3G SL	ARRIRAW 3G SL	ARRIRAW 3G SL	ARRIRAW 3G SL	ARRIRAW 3G SL	ARRIRAW 3G DL	ARRIRAW 3G DL	ARRIRAW 3G DL	ARRIRAW 3G DL
MENU ▶ RECORDING ▶ REC OUT ▶ Frame rate	23.98	24.00	25.00	29.97	30.00	48.00	50.00	59.94	60.00
MENU ▶ RECORDING ▶ REC OUT ▶ REC OUT fps sets sensor fps	Off	Off	Off	Off	Off	Off	Off	Off	Off
MENU ▶ RECORDING ▶ REC OUT ▶ SDI remote	On	On	On	On	On	On	On	On	On
MENU ▶ RECORDING ▶ REC OUT ▶ Variflag	On	On	On	On	On	On	On	On	On
HOME ▶ FPS	< Your Choice >	< Your Choice >	< Your Choice >	< Your Choice >	< Your Choice >	< Your Choice >	< Your Choice >	< Your Choice >	< Your Choice >
TIMECODE ▶ OPTIONS	Int TC or Ext LTC	Int TC or Ext LTC	Int TC or Ext LTC	Int TC or Ext LTC	Int TC or Ext LTC	Int TC or Ext LTC	Int TC or Ext LTC	Int TC or Ext LTC	Int TC or Ext LTC
TIMECODE ▶ MODE	Free Run	Free Run	Free Run	Free Run	Free Run	Free Run	Free Run	Free Run	Free Run
Single Link or Dual Link signal (cable setup)	Single Link	Single Link	Single Link	Single Link	Single Link	Dual Link	Dual Link	Dual Link	Dual Link

Codex Onboard S Settings

[Setup] ▶ [Video] ▶ Format	ARRI-2880x1620p	ARRI-2880x1620p	ARRI-2880x1620p	ARRI-2880x1620p	ARRI-2880x1620p	ARRI-2880x1620p	ARRI-2880x1620p	ARRI-2880x1620p	ARRI-2880x1620p
[Setup] ▶ [Video] ▶ Fps	23.98	24.00	25.00	29.97	30.00	48.00	50.00	59.94	60.00
[Setup] ▶ [Video] ▶ Storage	12-bit Bayer	12-bit Bayer	12-bit Bayer	12-bit Bayer	12-bit Bayer	12-bit Bayer	12-bit Bayer	12-bit Bayer	12-bit Bayer
[Setup] ▶ [Video] ▶ Quality	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1
[Setup] ▶ [Video] ▶ Channels	1	1	1	1	1	1	1	1	1
[Setup] ▶ [Video] ▶ Variframe	On	On	On	On	On	On	On	On	On
[Setup] ▶ [Timecode] ▶ Tc Source	HD VANC	HD VANC	HD VANC	HD VANC	HD VANC	HD VANC	HD VANC	HD VANC	HD VANC
[Setup] ▶ [Timecode] ▶ Fix Tc Breaks	No	No	No	No	No	No	No	No	No
[Setup] ▶ [Timecode] ▶ Metadata	ARRI	ARRI	ARRI	ARRI	ARRI	ARRI	ARRI	ARRI	ARRI
[Setup] ▶ [GPI] ▶ Record Trigger	SDI	SDI	SDI	SDI	SDI	SDI	SDI	SDI	SDI

Note: when triggering recording from the Alexa REC button make sure the hold switch on the Control Panel of the Onboard S is activated, so a padlock symbol is shown on the screen. If this is not done the Stop button on the Onboard S is still active.