

Power

Connect 10.5-34V power input.

14-24V is recommended.

Power Up:

Press the power button on top to start the recorder.

Approximate power draw is 20W when monitoring and 30W when recording.

Shutdown:

It is important to shutdown correctly.

To shutdown press the power button on top, and then the 'Shutdown' button on the side Control Panel. Shutdown is complete when the lights on the Control Panel switch off.

Menu Chart



Monitor

Options – set Tc Rate

Filecard – edit Metadata for shots

Next Scene – increment Scene number

Review – gate check for last Take



Play

Options – set Tc/Play Rate

Shots – choose another shot to play



Setup

Video – change video settings for recording

Source – change camera ID letter

Audio – change audio input settings

Timecode – set timecode input

GPI – set up record trigger

Slate – set up how shots are named

Project – enter general project info

System – general system settings



Storage

Create – to create a Roll for recording

Delete – to delete a Roll

Contact

Email Support: support@codexdigital.com

UK Tel: +44 207 292 6918

US Tel: +1 323 969 9980

Resources

www.codexdigital.com/support/recorders

For general further documentation:

www.codexdigital.com/support

Unloading Media

To unload a Capture Drive lift the drive port cover. The Capture Drive will be ejected and the LED will become solid blue, meaning it is safe to pull the Capture Drive out of the drive port.

To load a Capture Drive lift the drive port cover at the front of the Onboard S. Slide the Capture Drive into the port (with cooling ridges facing upwards) and push so that the connector is fully mated. Close the drive port cover to complete the loading process. The LED on the Capture Drive will flash blue whilst it loads, and turn off when it finishes loading.



Loading Media

want to begin recording.

Now press and then Monitor if you

the Roll.

Then press Create again to finish creating

the Roll.

Press Create and enter a number for

The RAID type is shown. This is normally RAID-0.

The disks should be shown as <Free>. (If they are <Good> there is already a Roll created.)

Storage button.

Press the button and then the

You must create a Roll before recording.

Creating a Roll

Record Times

ARRIRAW 2880x2160 @ 24fps = 35 minutes
ARRIRAW 2880x2160 @ 25fps = 33 minutes
ARRIRAW 2880x2160 @ 30fps = 27 minutes
ARRIRAW 2880x2160 @ 48fps = 17 minutes

On a Capture Drive:



Start Recording Stop Recording

You must be in Monitor mode, with the LED ring Orange, to start a recording.

Recording

Warnings and Errors

Warning and error messages are displayed below the timecode display. Do not ignore these!

No video input signal detected – check video cables are connected and in good condition. If necessary replace cables.

No video input signal B detected – same as above, but for signal into input 2.

Video CRC error – the incoming video signal has errors. Depending on how severe this is, it may not prevent recording. Change cables.

Video frame dropped – recording stopped during a take. Most commonly due to cable problems. Change cables.

Input video signal wrong type – the input video signal from the camera does not match the settings on the recorder. Confirm correct settings on the camera and recorder.

Timecode break – the recording has a duplicate or skipped timecode. This should not happen if the timecode is from the camera. In this case check settings are correct.

Invalid format for Datapack – the format settings require more disk bandwidth than is available. Check format settings, and Roll.

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
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