

**Arexx\_Scanners**

Copyright © 1992-1996 Nova Design, Inc.

---

**COLLABORATORS**

	<i>TITLE :</i> Arexx_Scanners		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY		January 13, 2023	

**REVISION HISTORY**

NUMBER	DATE	DESCRIPTION	NAME

# Contents

<b>1</b>	<b>Arexx_Scanners</b>	<b>1</b>
1.1	ImageFX Scanner Module Commands	1
1.2	DigiView Module Commands	1
1.3	Epson Module Commands	1
1.4	FrameGrabber Module Commands	2
1.5	FrameGrabber256 Module Commands	2
1.6	IVFG Module Commands	2
1.7	JX100 Module Commands	3
1.8	ScanJet Module Commands	3
1.9	Toaster Module Commands	3
1.10	VLAB Module Commands	3
1.11	Epson: Scanner DetailScan	4
1.12	Epson: Scanner Scan	4
1.13	Epson: Scanner Gamma	5
1.14	Epson: Scanner Bright	5
1.15	Epson: Scanner Correct	5
1.16	FrameGrabber: Scanner Color	6
1.17	FrameGrabber: Scanner Delay	6
1.18	FrameGrabber: Scanner Grab	7
1.19	FrameGrabber: Scanner Preview	7
1.20	FrameGrabber: Scanner Size	7
1.21	FrameGrabber256: Scanner Delay	8
1.22	FrameGrabber256: Scanner Grab	8
1.23	FrameGrabber256: Scanner Preview	8
1.24	FrameGrabber256: Scanner Size	9
1.25	IVFG: Scanner Area	9
1.26	IVFG: Scanner Depth	9
1.27	IVFG: Scanner Freeze	10
1.28	IVFG: Scanner Grab	10
1.29	IVFG: Scanner Preview	11

---

---

1.30 JX100: Scanner Area . . . . .	11
1.31 JX100: Scanner Reset . . . . .	11
1.32 JX100: Scanner Scan . . . . .	12
1.33 JX100: Scanner Thresh . . . . .	12
1.34 VLAB: Scanner Grab . . . . .	12
1.35 VLAB: Scanner Set . . . . .	13
1.36 Toaster: Grab . . . . .	14
1.37 ScanJet: Scanner Scan . . . . .	14
1.38 DigiView: Scanner Grab . . . . .	15

---

# Chapter 1

## Arexx\_Scanners

### 1.1 ImageFX Scanner Module Commands

Choose a scanner module:

\*

DigiView  
(2.6)

Epson

FrameGrabber

FrameGrabber256

IVFG

JX100

\* ScanJet

Toaster

VLAB

### 1.2 DigiView Module Commands

DigiView Module Commands:

Scanner Grab

### 1.3 Epson Module Commands

---

Epson Module Commands:

Scanner DetailScan

Scanner Scan

Scanner Gamma

Scanner Bright

Scanner Correct

## 1.4 FrameGrabber Module Commands

FrameGrabber Module Commands:

Scanner Color

Scanner Delay

Scanner Grab

Scanner Preview

Scanner Size

## 1.5 FrameGrabber256 Module Commands

FrameGrabber256 Module Commands:

Scanner Delay

Scanner Grab

Scanner Preview

Scanner Size

## 1.6 IVFG Module Commands

IVFG Module Commands:

---

Scanner Area  
Scanner Depth  
Scanner Freeze  
Scanner Grab  
Scanner Preview

## 1.7 JX100 Module Commands

JX100 Module Commands:

Scanner Area  
Scanner Reset  
Scanner Scan  
Scanner Thresh

## 1.8 ScanJet Module Commands

ScanJet Module Commands:

\*

Scanner Scan  
(2.6)

## 1.9 Toaster Module Commands

Toaster Scanner Commands:

Scanner Grab

## 1.10 VLAB Module Commands

VLAB Module Commands:

---



Scanner Grab

Scanner Set

## 1.11 Epson: Scanner DetailScan

SCANNER DETAILSCAN (2.0)

### FORMAT

Scanner DetailScan

Left,Top,Width,Length,Dpi/N,Grey/S,Mono/S,Land/S,ADF/S,TPU/S,Map-  
ped/S

### FUNCTION

Perform a detail scan.

### INPUTS

Left, Top, Width, Length

Scanning area, specified in inches. The area is always set in  
terms of portrait orientation. If not specified, the full  
page is scanned.

Dpi

Density at which to scan. Must be a valid DPI or the command  
will fail.

Grey, Mono

Scan in greyscale or monochrome, respectively. If neither is  
specified, the scan is made in color.

Land

If specified, scan in landscape mode. That is, the image is  
rotated 90 degrees counter-clockwise.

ADF, TPU

Enable the Automatic Document Feeder or Transparency Unit  
options, respectively. Only one can be used at a time.

Mapped

Scan monochrome image directly into a colormapped format which  
can then be saved immediately with SaveRenderedAs, without the  
need to render. See the ImageFX LoadMapped command for more  
details. This only works in monochrome.

### RESULT

Non-zero if the scan failed (eg. a page was not in ADF).

## 1.12 Epson: Scanner Scan

SCANNER SCAN

---

FORMAT  
Scanner Scan Grey/S,Color/S,Mono/S

FUNCTION  
Scan an image into an ImageFX buffer.

INPUTS  
Grey, Color, Mono  
Specify the type of scanning.

RESULT  
None.

### 1.13 Epson: Scanner Gamma

SCANNER GAMMA

FORMAT  
Scanner Gamma Curve/N/A

FUNCTION  
Set scanner gamma curve.

INPUTS  
Curve  
Gamma curve. 0 = CRT A, 1 = CRT B, 2 = Printer A, 3 = Printer B, 4 = Printer C.

RESULT  
None.

### 1.14 Epson: Scanner Bright

SCANNER BRIGHT

FORMAT  
Scanner Bright Level/N/A

FUNCTION  
Set scanner brightness level.

INPUTS  
Level  
Brightness level (-3 to 3).

RESULT  
None.

### 1.15 Epson: Scanner Correct

---

## SCANNER CORRECT

## FORMAT

Scanner Correct Curve/N/A

## FUNCTION

Set scanner color correction.

## INPUTS

Curve

Color correction curve. 0 = Dot Matrix, 1 = Thermal, 2 = Ink Jet, 3 = CRT.

## RESULT

None.

## 1.16 FrameGrabber: Scanner Color

## SCANNER COLOR

## FORMAT

Scanner Color On/S,Off/S

## FUNCTION

Turn color capturing on or off. Note that not all resolutions support color framegrabbing.

## INPUTS

On, Off

Enable or disable color capturing, respectively.

## RESULT

None.

## 1.17 FrameGrabber: Scanner Delay

## SCANNER DELAY

## FORMAT

Scanner Delay Receive/N,Send/N

## FUNCTION

Select the hardware timing delays. Normally these are set automatically based on the CPU in your machine, but you may need to adjust them manually.

## INPUTS

Receive

Parallel port receive delay, in 1/50th seconds.

Send

---

Parallel port send delay, in 1/50th seconds.

RESULT

None.

## 1.18 FrameGrabber: Scanner Grab

SCANNER GRAB

FORMAT

Scanner Grab

FUNCTION

Capture a frame using the current settings.

INPUTS

None.

RESULT

None.

## 1.19 FrameGrabber: Scanner Preview

SCANNER PREVIEW

FORMAT

Scanner Preview On/S,Off/S

FUNCTION

Turn the preview on or off. With the preview on, the video signal from the Framegrabber is piped to your monitor display.

INPUTS

On, Off

Enable or disable the preview mode, respectively.

RESULT

None.

## 1.20 FrameGrabber: Scanner Size

SCANNER SIZE

FORMAT

Scanner Size Size/N/A

FUNCTION

Select the resolution of subsequent framegrabs.

INPUTS

Size  
Numeric code indicating the new resolution. 0=320x200,  
1=384x240, 2=320x400, 3=640x200, 4=640x400.

RESULT  
None.

## 1.21 FrameGrabber256: Scanner Delay

SCANNER DELAY

FORMAT  
Scanner Delay Receive/N,Send/N

FUNCTION  
Select the hardware timing delays. Normally these are set automatically based on the CPU in your machine, but you may need to adjust them manually.

INPUTS  
Receive  
Parallel port receive delay, in 1/50th seconds.

Send  
Parallel port send delay, in 1/50th seconds.

RESULT  
None.

## 1.22 FrameGrabber256: Scanner Grab

SCANNER GRAB

FORMAT  
Scanner Grab

FUNCTION  
Capture a frame using the current settings.

INPUTS  
None.

RESULT  
None.

## 1.23 FrameGrabber256: Scanner Preview

SCANNER PREVIEW

FORMAT

---

Scanner Preview On/S,Off/S

FUNCTION

Turn the preview on or off. With the preview on, the video signal from the Framegrabber is piped to your monitor display.

INPUTS

On, Off  
Enable or disable the preview mode, respectively.

RESULT

None.

## 1.24 FrameGrabber256: Scanner Size

SCANNER SIZE

FORMAT

Scanner Size Size/N/A

FUNCTION

Select the resolution of subsequent framegrabs.

INPUTS

Size  
Numeric code indicating the new resolution. 0=320x200,  
1=384x240, 2=320x400, 3=640x200, 4=640x400.

RESULT

None.

## 1.25 IVFG: Scanner Area

SCANNER AREA

FORMAT

Scanner Area Left/N,Top/N,Width/N,Height/N

FUNCTION

Define the screen area for subsequent framegrabs.

INPUTS

Left, Top, Width, Height  
Screen region in pixels.

RESULT

None.

## 1.26 IVFG: Scanner Depth

---

## SCANNER DEPTH

## FORMAT

Scanner Depth Bits/N

## FUNCTION

Choose the number of bits with which to grab subsequent frames.

## INPUTS

Bits

Should be either 12 or 24, for 12-bit or 24-bit frame grabbing, respectively.

## RESULT

None.

## 1.27 IVFG: Scanner Freeze

## SCANNER FREEZE

## FORMAT

Scanner Freeze On/S,Off/S

## FUNCTION

Freeze or unfreeze the display.

## INPUTS

On, Off

Freeze or unfreeze the display, respectively.

## RESULT

None.

## 1.28 IVFG: Scanner Grab

## SCANNER GRAB

## FORMAT

Scanner Grab

## FUNCTION

Capture a frame using the current settings.

## INPUTS

None.

## RESULT

None.

---

## 1.29 IVFG: Scanner Preview

### SCANNER PREVIEW

#### FORMAT

Scanner Preview On/S,Off/S

#### FUNCTION

Enable or disable external video.

#### INPUTS

On, Off

Enable or disable the external video display, respectively.

#### RESULT

None.

## 1.30 JX100: Scanner Area

### SCANNER AREA

#### FORMAT

Scanner Area Left/N,Top/N,Width/N,Height/N

#### FUNCTION

Set the scanning area in scanner dots. The maximum scanner area is 100x160. There are 25 scanner dots to the inch. Note that this command always assumes a Portrait mode scan; you must translate the coordinates yourself if you are doing a landscape scan.

Subsequent scans will be constained to this area.

#### INPUTS

Left, Top, Width, Height

Scan area, in scanner dots.

#### RESULT

None.

## 1.31 JX100: Scanner Reset

### SCANNER RESET

#### FORMAT

Scanner Reset

#### FUNCTION

Attempt to reset the scanner to its default state.

#### INPUTS

None.

---



RESULT  
None.

### 1.32 JX100: Scanner Scan

SCANNER SCAN

FORMAT  
Scanner Scan Dpi/N,Grey/S,Color/S,Port/S,Land/S

FUNCTION  
Initiate a detail scan of the current area.

INPUTS  
Dpi  
DPI of the scan; must be one of 50, 100, or 200.

Grey, Color  
Type of scan; 6-bit greyscale or 18-bit color, respectively.

Port, Land  
Orientation of the scan; portrait or landscape.

RESULT  
None.

### 1.33 JX100: Scanner Thresh

SCANNER THRESH

FORMAT  
Scanner Thresh Grey/N/A

FUNCTION  
Set the threshold for preview scans. The lower the threshold, the brighter the preview scans will be.

INPUTS  
Grey  
Monochrome threshold value (1-127).

RESULT  
None.

### 1.34 VLAB: Scanner Grab

SCANNER GRAB

FORMAT

---

Scanner Grab

FUNCTION

Grab a frame.

INPUTS

None.

RESULT

None.

### 1.35 VLAB: Scanner Set

SCANNER SET

FORMAT

Scanner Set

NoLace/S, Lace/S, NTSC/S, PAL/S, Luma/S, NoLuma/S, Chroma/S, NoChroma/S, VTR/S, NoVTR/S, VSC/S, NoVSC/S, Noise/N, Filter/N, Hue/N, Input/N

FUNCTION

Change scanner settings.

INPUTS

NoLace, Lace

Interlace setting.

NTSC, PAL

NTSC or PAL setting.

Luma, NoLuma

Enable or disable luma correction.

Chroma, NoChroma

Enable or disable chroma correction.

VTR, NoVTR

Enable or disable VTR setting.

VSC, NoVSC

Enable or disable VSC setting.

Noise

Noise reduction setting.

Filter

Filter setting.

Hue

Hue correction setting.

Input (2.0)

Input from which to scan.

RESULT

---

None.

## 1.36 Toaster: Grab

SCANNER GRAB

FORMAT

Scanner Grab DV1/S,DV2/S,Fields/N

FUNCTION

Grab image from a Toaster framebuffer.

INPUTS

DV1, DV2

Select framebuffer to grab from. If not specified, it defaults to whatever the interface is set for.

Fields

Number of fields to grab (1-4) or 5 for motion removal.

RESULT

None.

## 1.37 ScanJet: Scanner Scan

SCANNER SCAN (2.6)

FORMAT

Scanner Scan

Threshold/S,Dithered/S,Grey/S,Color/S,Bright/N,Contrast/N,  
X720OFF/N,Y720OFF/N,X720SIZE/N,Y720SIZE/N,DPI/N

FUNCTION

Scan an image into an ImageFX buffer.

INPUTS

Threshold

Dithered

Grey, Color

Specify the type of scanning.

Bright, Contrast

X720OFF, Y720OFF

X720SIZE, Y720SIZE

DPI

Scanning DPI.

---

RESULT  
None.

## 1.38 DigiView: Scanner Grab

SCANNER GRAB (2.6)

FORMAT  
Scanner Grab Hires/S,Lace/S,Xover/S,Yover/S,Red/S,Green/S,Blue/S

FUNCTION  
Capture a frame from the DigiView device into an ImageFX buffer.

INPUTS  
Hires, Lace  
Horizontal and vertical resolution.

Xover, Yover  
Enable horizontal and vertical overscan.

Red, Green, Blue  
Color channel to capture.

RESULT  
None.

---