

E22324 First Edition / November 2023

IN SEARCH OF INCREDIBLE

E-Manual



COPYRIGHT INFORMATION

No part of this manual, including the products and software described in it, may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language in any form or by any means, except documentation kept by the purchaser for backup purposes, without the express written permission of ASUSTEK COMPUTER INC. ('ASUS').

ASUS PROVIDES THIS MANUAL "AS IS" WITHOUT WARRANTY OF ANY KIND, ETHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL ASUS, ITS DIRECTORS, OFFICERS, EMPLOYEES OR AGENTS BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES (INCLUDING DAMAGES FOR LOSS OF PROFITS, LOSS OF BUSINESS, LOSS OF USE OR DATA, INTERRUPTION OF BUSINESS AND THE LIKE), EVEN IF ASUS HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES ANSING FROM ANY DEFECT OR ERROR IN THIS MANUAL OR PRODUCT.

Products and corporate names appearing in this manual may or may not be registered trademarks or copyrights of their respective companies, and are used only for identification or explanation and to the owners' benefit, without intent to infringe.

SPECIFICATIONS AND INFORMATION CONTAINED IN THIS MANUAL ARE FURNISHED FOR INFORMATIONAL USE ONLY, AND ARE SUBJECT TO CHANGE AT ANY TIME WITHOUT NOTICE, AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY ASUS. ASUS ASSUMES NO RESPONSIBILITY OR LIABILITY FOR ANY ERRORS OR INACCURACIES THAT MAY APPEAR IN THIS MANUAL, INCLUDING THE PRODUCTS AND SOFTWARE DESCRIBED IN IT.

Copyright © 2023 ASUSTeK COMPUTER INC. All Rights Reserved.

LIMITATION OF LIABILITY

Circumstances may arise where because of a default on ASUS' part or other liability, you are entitled to recover damages from ASUS. In each such instance, regardless of the basis on which you are entitled to claim damages from ASUS, ASUS is liable for no more than damages for bodily injury (including death) and damage to real property and tangible personal property; or any other actual and direct damages resulted from omission or failure of performing legal duties under this Warranty Statement, up to the listed contract price of each product.

ASUS will only be responsible for or indemnify you for loss, damages or claims based in contract, tort or infringement under this Warranty Statement.

This limit also applies to ASUS' suppliers and its reseller. It is the maximum for which ASUS, its suppliers, and your reseller are collectively responsible.

UNDER NO CIRCUMSTANCES IS ASUS LIABLE FOR ANY OF THE FOLLOWING: (1) THIRD-PARTY CLAIMS AGAINST YOU FOR DAMAGES; (2) LOSS OF, OR DAMAGE TO, YOUR RECORDS OR DATA; OR (3) SPECIAL, INCIDENTAL, OR INDIRECT DAMAGES OR FOR ANY ECONOMIC CONSEQUENTIAL DAMAGES (INCLUDING LOST PROFITS OR SAVINGS), EVEN IF ASUS, ITS SUPPLIERS OR YOUR RESELLER IS INFORMED OF THEIR POSSIBILITY.

SERVICE AND SUPPORT

Visit https://www.asus.com/support/contact/troubleshooting for more information and troubleshooting.

Table of Contents

ASUS ProArt Calibration4	ł
Functions	5
Color Calibration	5
Customize Target	б
History	7
Appointments	В
Device	9
Embedded Calibrator Correlation	10
Calibration instructions1	1
Color calibration	11
Calibration appointments	22
Embedded calibrator correlation	30

ASUS ProArt Calibration

ASUS ProArt Calibration allows you to calibrate the color and uniformity of your display. Download and install the latest ASUS ProArt Calibration at <u>www.asus.com/support/Download-Center/</u>.

NOTE:

- If you have installed the old version of ASUS ProArt Calibration, uninstall it before having the latest version installed.
- The screenshots are for reference only and may vary with the software version and display model.

Functions

Color Calibration

Color calibration is the main function of ASUS ProArt Calibration. It allows you to calibrate the color of your display to meet your requirements. On selected display models, it also allows you to calibrate the uniformity of your display to ensure consistent brightness across the entire screen.

	Color Color	tration		- 0 0
				Sann (j
	r Calibration 🔳 ProArt Preset	User Mode 1	User Mode 2 User Mode 3	
PA32UCXR 👻				s in the OSD's
Color Calibration Customize Target	N200ve Gamma 138/20/22/24/26 Color Immperiate 500K/500K/5500K/5500K Bightness - odel	□ ∰	sRiGB KOTT: und Color Temperature: 6500K Brightness: 80 cd/H	
Task Management				
 History Appointments 	AdobeRGB Gamma : 22 Color Interportance 6000K Boldrames 190 opti	0 🖤	Rec.2020 Germa : 1.8 / 2.9 / 2.2 / 2.4 / 2.6 Color Temperature 550K / 500K / 5500K / 5500K / 5000K	
Settings				
Device Embedded Calbrator Correlation	DC1-P3 General 22726 Calor Imperator P3 Theater / 6500K Biolytees: 41 cdM	0 🖤	DICOM E011 - DICOM Color Temperature 6508 / 5000 / 5500 / 5000 Bighanesc - cdM	
Cloud Management			Calibration Appointments	Start Calibration

Customize Target

This tab shows the parameters that have been customized for the past calibration. You can reapply a listed parameter to calibrate your display. To delete a parameter, select the parameter and click **Delete**.

			Color Calibration		- 0)
					Sann (j
🖵 🚺 Cust	omize Ta	rget			
PA32UCXR 👻					E Datata
Color Calibration					Color Gamut
Customize Tarpet		2023/08/30		Magazine	sRGB
Task Management					
(i) History					
Appointments					
Settings					
🖵 Device					
Embedded Calibrator Correlation					
Cloud Management					

History

This tab allows you to view and export the past calibration reports. To delete a calibration report, select the report and click **Delete.**

		Color Calibration		- 0 >
				Sann (j
📃 📘 Histo	огу			
PA32UCXR 👻	 Local History 			E Deloto
Color Calibration				Report
Customize Target	2023/07/24	User Mode_SDR	sRGB_202307241100	8
Task Management	2023/07/20	Native Mode_SDR	Native_202307201711	8
History	2023/07/14	sRG8 Mode_SDR	sRGB_202307141504	
🔁 Appointments				
Settings	 Cloud History 			
Dovice	Date Created	Mode / Dynamic Range		
Embedded Calibrator Correlation				
Cloud Management				

Appointments

This tab shows the details of scheduled calibrations and allows you to modify the appointments. To delete a scheduled calibration, select the appointment and click **Delete**.

		Color Calibration			-	0 >
					Signin (j	
🖵 📘 App	pointments					
PA32UCXR 👻	 Local Appointments 					
Color Calibration		Repeat	Upcoming Calibration Date			
Customize Tarpet	~ 🔲 2023/08/30	No Repeat	2023/06/01	15:18(UTC+8)		
Task Management						1
S History	 Cloud Appointments 					
Appointments		Repeat	Upcoming Calibration Date		Modify	
Settings						
D Embedded Calibrator Correlation						
Cloud Management						

Device

On this page, you can save at most three calibrated profiles as **User Mode 1**, **User Mode 2** and **User Mode 3**. If you want to reset a parameter to default, click **Reset**.

	Calor Co	Bullon.	- o :
			Sysin (j
🖵 📘 Se	ttings		
PA32UCXR -	Device Information This monitor does not support the usage time remind	r function	
Customize Target	OSD Profile Settings		
Task Management	NOTE: To remotely configure the OSD profile, connected via USB and then wait for another	you must wait for the screen and the host to be to 10 minutes for setup to be completed.	
 History 	ThunderBolt/USB connection status: Connect	bd	
Appointments			
Settings	User Mode 1 (ABCDE)	User Mode 2 (ForWork Mode)	
Embedded Calibrator Correlation	Factory Default	▼ Factory	v Default 👻
	User Mode 3 🗹		
(Cloud Management	Factory Default		

Embedded Calibrator Correlation

NOTE: This function is only available for display models with a built-in calibrator.

You can use this function to calibrate the embedded calibrator. It is recommended to calibrate the embedded calibrator every six months to ensure accuracy.

	Color Calendar - 0
	Synin ()
	nbedded Calibrator Correlation
PA32UCXR 👻	Color Calibration
Color Calibration	It is recommended that you adjust the embedded calcenter every 6 months to ensure the accuracy of the instrument. The last correlation result will be automatically applied as the profile for the calibrator.
Task Management	Lad Correlation Time Unknown
① History	Proceed with Correlation
Settings	
Device Embedded Calibrator Correlation	
GoodManagement	

Calibration instructions

Color calibration

IMPORTANT!

Before you begin the process:

- Turn off HDR in Windows and ensure that your display is not set to HDR mode.
- Set the color enhancements from the graphics card or any other software back to its default settings.
- Install the necessary drivers for the calibrator.

To begin color calibration:

- 1. Launch ASUS ProArt Calibration.
- 2. Select your display model.



 Click on the Color Calibration tab, then select a parameter to apply. You can choose a parameter to apply in ProArt Preset, or set a parameter with your preference in User Mode.

NOTE: ProArt Preset is only available on selected display models.

4. Click Start Calibration to proceed.

	Color Ca	babox.		- O
			Sign in	0
	or Calibration ProArt Preset	User Mode 1 User 1	Mode 2 🔲 User Mode 3	
PA32UCXR 👻	Preset Mode will calibrate preset mode(s) that you select below to fact PriArt Preset. "If you want to customize parameters, please select User Mode.			
Color Calibration	Native Gamma: 18/20/22/24/26 Color Immeriature: 500K/500K/5500K/3500K Brightness: - c&M	stats tom: coder 5 Bigeter	ence a color	
Task Management -S History - Appointments Settings	AdobeRGB Genera : 22 Gel Impendance 5000K Bightness: 100 calvit	Rec2	020 11 18 / 28 / 22 / 24 / 26 Impensive: 5000 / 500	
Device Embedded Calibrator Correlation	DCI-P3 Gamera: 227.76 Cafer Impendune P9 Theater / 6500K Biojetness 44 cdpM	DICO EDIT: 1 Galaria Biglaria	M DODM emperature 6500K / 5000K / 5000K / 5000K / 5000K	
Cloud Managemeet		C	Calibration Appointments Start Ca	lbration

Contractions						- (ð ×	
							Sgain (j	
	or Calibratio	n 🗆 m	sArt Preset 🔲 U	ser Mode 1	User Mode 2	User Mode 3		
PA32UCXR 👻	Apply Target Settings							
Color Calibration		sRG8						
Customize Target	Color Gamut							
Task Management						sRGB		
① History 时 Appointments	White Point							
Settings	Color Temperature	<						
Device								
Embedded Calibrator Correlation	Color Coordinate							
Cloud Management					Calibration Ap	pointments	Start Calibration	

5. Connect the USB or Thunderbolt[™] cable to your display, then click **Next**.

	Color College	aliot	- 0)
			Spain (j
□ •	lor Calibration		
PA32UCXR 👻	Connect USB		
Color Calibration	5kp1 Skp2 Skp3 5	Barp 4	
Customize Target	u—•—•—		
Task Managament	Make sure the USB or Thunderbolt cable is properly connected to your monitor.		
- Appointments			
Settings		\sim	
Covice			7 7 7
Embedded Calibrator Correlation			
(Courd Management			(n Bark Not a)
Contractorymines			T DOX HON 7

 Connect the calibrator to your display and select your calibrator type, then click Next.

NOTE: For models with a embedded calibrator, you can also choose to use the embedded calibrator for calibration.

	Color Calibration	
		Sign in (j)
L (olor Calibration	
PA32UCXR -		
	Connect Calibrator	
Color Calibration	5kp1 5kp2 5kp3 5kp4	
Customize Target		
Task Management	Connect your calibrator to the monitor.	
History	Calibrator Type	
Appointments	V. Dita it Direiter Des / Des Dire	\sim
Settings		
Device	Calibrator Profile	\sim
Embedded Calibrator Correlation	Auto 🔻 🗋	
(Cloud Management		← Back Next →

 You can choose to skip the color uniformity calibration, or select a calibration method to calibrate uniformity. Click **Next** to proceed.

NOTE:

- Color uniformity calibration is only available for selected display models and parameters, and can only be performed with an external calibrator.
- If you choose not to run the color uniformity calibration, skip to step
 10.

		Color Collocation	- o >
			Signia ()
	lor Calibration		
PA32UCXR 👻	Color Uniformity		
Color Calibration			
Customize Target		- • •	
Task Management	No need to adjust		
() History			
🖶 Appointments	Adjust color uniformity		
Settings			
Device			
Embedded Calibrator Correlation			
Cloud Management			– Back Next →

8. Place the calibrator in the indicated area, then click **Start**.





9. Place the calibrator in the white grid to start calibrating. Repeat the action until the entire process is completed.



10. Choose whether you would like to warm up your display before calibration, then click **Next**.

NOTE: It is recommended to warm up your display for at least thirty minutes before calibration for the most accurate results.

	Color Exiliaria	- 0
		Spain ()
	Color Calibration	
PA32UCXR 👻	Warm Up Display	
Color Calibration	Step 1 Step 2 Step 3 Step 4	
Task Management	We recommend that you first warm up your display for the most	
① History 时 Appointments	accurate calibration. To proceed with warm-up, click Next, and then wait 30 minutes for the brightness to self-adjust.	
Settings	Warm-up 1. Click Next. 2. Wait 30 minutes for the brightness to self-adjust.	
Dovice Embedded Calbrator Correlation	Skip warm-up	
-		
Cloud Management		← Back Next →

11. Place the calibrator in the indicated area, then click **Start** to begin calibration.

NOTE:

- Do not move the calibrator or turn off the display during the process; otherwise, the calibration may fail.
- The entire process may take five minutes or more, depending on the parameter you apply. Please be patient during the process.



 A calibration report will be generated when the calibration is completed. Click Export Report to save the report, or click Cancel to discard. Click Apply to save and apply the parameter.



Calibration appointments

IMPORTANT!

Before you begin the process:

- Turn off HDR in Windows and ensure that your display is not set to HDR mode.
- Set the color enhancements from the graphics card or any other software back to its default settings.
- Install the necessary drivers for the calibrator.

To schedule a calibration:

- 1. Launch ASUS ProArt Calibration.
- 2. Select your display model.

	Color Colo	teder	- o
			(Spin)
	or Calibration Provet Preset	User Mode 1 User Mode 2 User Mode 3	
PA32UCXR 👻			g modes in the OSD's
Color Calibration	Native Gamma - 18/20/22/24/26 Calor Immperator 5000K / 5000K / 5000K / 5000K Bightness: - cited	SAGB FOTT - data Color Temperature SSBM Biggenese ito color	
Task Management			
① History 討 Appointments	AdobeRSB camma 122 caint temperature 60000 Brightness: 100 optil	Rcc2020 Gamma 118/22/22/22/24/26 Color Imperance Solice/,	
Settings			
Device Embedded Calibrator Correlation	DCI-P3 Gamma :22/26 Color Immgenance (P3 Theater / 6500K Buildances: 41 cddl	DICOM EDT: DICOM Color Impendance 5500K / 5500K / 55 BigMaress - odd	
Cloud Management		Calibration Appointments	Start Calibration

3. Click on the **Color Calibration** tab, then click **Calibration Appointments**.

	Certa	tation	- o :
			Signin (j
🖵 🚺 Col	or Calibration ProArt Preset	User Mode 1 User Mode 2	User Mode 3
PA32UCXR 👻			reflected in the corresponding modes in the C60Y
Color Calibration Customize Target	Native General: 18/20/22/24/24 Celor Impendure: 500K/500K/500K/300K Bightness: - claft	SRGB EDT - Jaca Color Temperatur Brightmen: 80 cd	
History Appointments Settings	AdobeRGB Gamma : 22 Color Importance (5006 Brightmes: 100 cdb4	Pec-2020 Gamma : 1.8 / 2.8 Color Temperatur Bigliteress, 100 or	/22/24/28 # 5000/5000x / 5500x / 5500x
Device Embedded Calibrator Correlation	DCI-P3 Genera:22726 Color Seepenaner P3 Thotter / 5500K Bioference: 41 color	DICOM EOTT: DICOM Color Temperan Bightness - oder	, 6500K / 5000K / 5500K / 9300K
Cloud Management		Calbrate	n Appointments Start Calibration

 Connect the calibrator to your display and select your calibrator type, then click Next.

NOTE: For models with a embedded calibrator, you can also choose to use the embedded calibrator for calibration.

	Color California	- 0)
		Signin (j
L [Co	olor Calibration	
PA32UCXR 👻	Connect Calibrator	
Color Calibration	Step 1 Step 2 Step 3 Step 4 Step 3	
Task Management	Connect your calibrator to the monitor.	
 History Appointments 	Calibrator Type	
Settings	X-Rite it Display Pro / Pro Plus 🔹	
Device	Calibrator Profile	
Embedded Calibrator Correlation	Auto •	
	When the enternal calibrator cannot be used, automatically switch to the embedded calibrator.	
(Cloud Management		- Back Next →

5. Configure the options for the scheduled calibration, then click **Next**.

		Color Calibration	- 0)
			Sgan (j
L 🗋	olor Calibration		
PA32UCXR 👻			
	Schedule an appointment		
Color Calibration			
Customize Target	• •		
Task Management	Schedule the next calibration appointment		
① History	Start date:	Set Time	
Appointments	8/30/2023		
Settings			
Device	Single		
Embedded Calibrator Correlation	Repeat Weekly		
Cloud Management			 Back Next →

6. Choose whether you would like to have additional reminders before calibration, then click **Next**.

		Color Calibration		- o
			9	• (i)
□ □ Co	olor Calibration			
PA32UCXR 👻	Set Reminder			
Color Calibration	Step 1 Step 2	Ship 3 Ship 4 Ship 5		
Customize Target				
Task Management	There will be a reminder 10 minutes	before calibration, and you can also set additional reminder		
① History	Set Reminder			
Appointments				
Settings				
Device	Additional reminder(s)			
Embedded Calibrator Correlation				
(loud Man systement			(= Back	Next ->

7. Choose whether you would like to warm up your display before calibration, then click **Next**.

NOTE: It is recommended to warm up your display for at least thirty minutes before calibration for the most accurate results.

	Contraction	- 0)
		Sanin (j
	Color Calibration	
PA32UCXR 👻	Monitor Warm-up	
Color Calibration		
Customize Tarpet		
Task Management	For the most accurate calibration, we recommend that you	
History	calibrate the screen after fit been in use for at least 50 minutes at the target brightness. Selecting Auto warm-up will warm up the monitor using the target brightness. If you need	
Appointments	to save time, you can skip this step by selecting Skip warm-up.	
Settings	Meriter Warm-up	
C Device	Auto warm-up	
Embedded Calibrator Correlati	ion Skip warm-up	
(Cloud Management		← Back Next →

8. Click **Complete** to confirm the appointment.

	Color Extendent	- a :
		Synn ()
	olor Calibration	
PA32UCXR 👻	Confirmation	
O Color Calibration	Step 1 Step 2 Step 3 Step 4 Step 5	
Customize Target		
Task Management	Next Calibraton Date	
① History	2023/04/30 No Repeat	
Appointments		
Settings	Notification	
Dovice	 Calibration profile will autosare as OSD User Mode after calibration is complete. You can modify OSD User Mode from the Setting page later. 	
Embedded Calibrator Correlation	 After selecting an external calibrator, align the calibrator's probe to the center of monitor, and check that the USB cable is connected correctly before starting calibration. 	
	 Keep both the PC and monitor powered on during the calibration process. 	
(Coud Management		- Back Completio
1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		

9. Click on the **Appointments** tab to view and manage the scheduled calibration.

		Criter Collection			- o
					Sanin (j
🖵 📘 Ар	pointments				
PA32UCXR -	 Local Appointments 				Deleta
Color Calibration		Repeat	Upcoming Calibration Date		Modify
Customize Target	~ 🔲 2023/08/30	No Repeat	2023/06/01	15:18(UTC+8)	C
Task Management					
History	 Cloud Appointments 				
Appointments		Repeat	Upcoming Calibration Date		Modify
Settings					
Device					
C Embedded Calibrator Correlation					
Cloud Management					

Embedded calibrator correlation

NOTE: Embedded calibrator correlation is only available for display models with a embedded calibrator.

IMPORTANT!

Before you begin the process:

- Turn off HDR in Windows and ensure that your display is not set to HDR mode.
- Set the color enhancements from the graphics card or any other software back to its default settings.
- Install the necessary drivers for the calibrator.

To begin embedded calibrator correlation:

- 1. Launch ASUS ProArt Calibration.
- 2. Select your display model.



3. Click on the **Embedded Calibrator Correlation** tab, then click **Proceed with Correlation**.

	coarcestream - D X
	(j
	Embedded Calibrator Correlation
PA32UCXR -	Color Calibration
Color Calibration	It is meanmented hal you adjust the embedded calibrator every 6 months to ensure the accuracy of the instrument. The last correlation result will be automatically applied as the profile for the calibrator.
Customize Target	Last Correlation Time: Unknown
G History	Proceed with Correlation
Appointments	
- Device	
Embedded Calibrator Correlation	2
(Cloud Management)	

 Connect the USB or Thunderbolt[™] cable to your display, then click Next.

	Cost Cultorion	- 0)
		Synn ()
- 🖵 🚺	Embedded Calibrator Correlation	
PA32UCXR 👻		
	Connect USB	
Color Calibration		
Customize Target		140 -
Test Management		
lask managament	Make sure the USB or Thunderbolt cable is properly connected to your monitor.	
History		
Appointments		
Settings		
Device		
Embedded Calibrator Correlat	ton	
ClaudManagement		Next
		1905 2
and the second se		

 Connect the calibrator to your display and select your calibrator type, then click Next.

NOTE: If the calibrator you are using is not listed in the **Calibrator Type** drop down menu, select **Other Calibrators**, and upload the CSV file with the calibrator's patterns and values. Follow the onscreen instructions, then skip to step 8 to continue.

	Color Calibration		- 0 ×
		Sonin ()	
🖵 📘 Em	bedded Calibrator Correlation		
PA32UCXR 👻	Connect Calibrator		
Color Calibration	5kp1 5kp2 5kp3		
Task Management	Connect your calibrator to the monitor.		
 History Appointments 	Calibrator Type		
Settings	X-Rito i1 Display Pro / Pro Plus 👻		
Device	Calibrator Profile		
Embedded Calibrator Correlation			
Cloud Management		- Bick Ned	->

6. Click **Start** to proceed.

	Color Calibration	- o ×
		Sgrin (j)
	nbedded Calibrator Correlation	
PA32UCXR 👻		
	Place the calibrator in position.	\sim
Color Calibration		
Customize Target	• • •	
Task Management	Place your external calibrator in the position shown, and make over that the ambedded activator is reads.	
History	Click "Start" to begin correlation with the embedded calibrator.	
Appointments		
Settings		
Device		
Embedded Calibrator Correlation		
Cloud Management		← Back Start →

7. Place the calibrator in the indicated area, then click **Start**.



8. The embedded calibrator will then automatically move into place. Click **Start** to begin the process.



9. A popup window will appear when the process is completed. Click **OK** to finish the process.

		Color Calibration		– a ×
		librator Correlation		
O				
Task N		n place your calibrator as shown below	EC	
- © - I		sure and adjust your monitor's brightnes	and the second sec	
Ū,		Measure process in progre	BSS	
Setting				
Q I				
Q 1	Embedded Calibrator Correlation			
			← Back	Start