

**SONY**

**BURANO**

# Remote Control Guide

V1.0 (JUL 2024)

# CONTENTS

<b>Introduction</b> .....	<b>2</b>
<b>Control BURANO Remotely</b> .....	<b>3</b>
Control BURANO with RCP .....	3
Control BURANO with Monitor & Control .....	7
Control BURANO with Camera Remote Toolkit .....	8
<b>Appendix</b> .....	<b>9</b>
RCP Capability: BURANO and VENICE 2 .....	9

# INTRODUCTION

The new BURANO is the latest addition to Sony's prestigious CineAlta lineup. It combines exceptional image quality with high mobility. Compact, versatile, and flexible, the BURANO is the world's first digital cinema camera with a PL-Mount to feature in-body image stabilization and auto focus.

Not only that, the BURANO allows for more flexible operation through remote control. It is compatible with control from smartphones and tablet devices using the Monitor & Control App. By using the Camera Remote SDK, it is possible to develop control systems tailored to each customer's specific needs.

Furthermore, with the recent release of Ver. 1.1, control from the RCP is also possible.

In this document, we will introduce the various remote control capabilities of the BURANO.

## Remote Control Capabilities between BURANO and VENICE

Control Method	Control Interface	BURANO	VENICE / VENICE 2
RCP	Wired LAN	✓(*1)	
RM/RCP	8-pin cable		✓
Monitor & Control	Wired LAN Wireless LAN	✓(*2)	
Web UI	Wired LAN Wireless LAN		✓(*3)
Camera Remote SDK	Wired LAN	✓	

### Notes:

- \*1) Requires BURANO Ver. 1.1 or later. Other network functions cannot be used at the same time.
- \*2) The combination of the BURANO Ver. 1.1 or later and the M&C ver. 2.0.0 or later will make monitoring and remote control even more flexible.
- \*3) Requires the Wireless LAN Adapter (CBK-WA02) for wireless connection.

# CONTROL BURANO REMOTELY

## Control BURANO with RCP

BURANO now supports control from RCP starting from Ver. 1.1. In this chapter, we will explain how to connect the RCP. The manual for BURANO Ver. 1.1 is also available on our web page: <https://pro.sony/products/digital-cinema-cameras/burano>

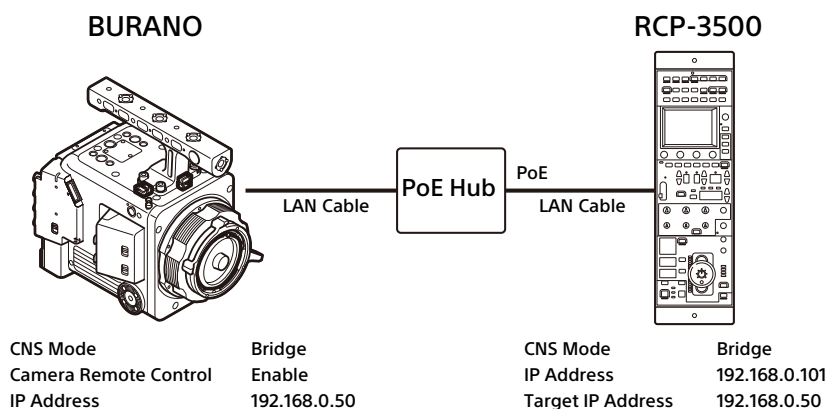
### Compatible RCP models

BURANO is compatible with the following RCPs:

Model	Product Page
RCP-1500	<a href="https://pro.sony/products/camera-control-panels/rcp-1500">https://pro.sony/products/camera-control-panels/rcp-1500</a>
RCP-1501	<a href="https://pro.sony/products/camera-control-panels/rcp-1501">https://pro.sony/products/camera-control-panels/rcp-1501</a>
RCP-1530	<a href="https://pro.sony/products/camera-control-panels/rcp-1530">https://pro.sony/products/camera-control-panels/rcp-1530</a>
RCP-3100	<a href="https://pro.sony/products/camera-control-panels/rcp-3100">https://pro.sony/products/camera-control-panels/rcp-3100</a>
RCP-3500	<a href="https://pro.sony/products/camera-control-panels/rcp-3500">https://pro.sony/products/camera-control-panels/rcp-3500</a>
RCP-3501	<a href="https://pro.sony/products/camera-control-panels/rcp-3501">https://pro.sony/products/camera-control-panels/rcp-3501</a>

\*RM-B750/B170 cannot be connected to BURANO.

### RCP Configuration Example



This is an example of the procedure to connect BURANO and RCP-3500.

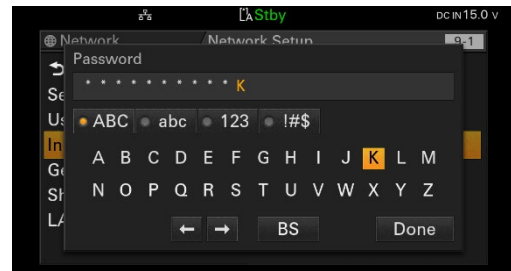
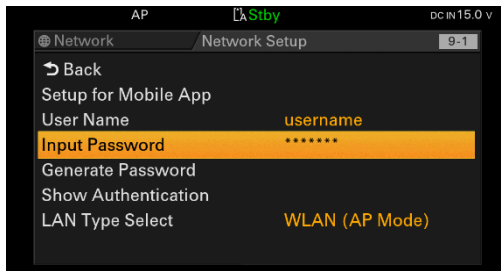
The equipment connection method and overview, such as IP addresses, are as shown in the diagram above. Please note that the menu content may vary depending on the RCP you are using, so please refer to the manual of the specific equipment you are using for more information.

### Wiring the Equipment

1. Connect the BURANO to the Ethernet hub via a LAN cable.
2. Connect the RCP to the PoE-capable port on the Ethernet hub via a LAN cable.
3. Turn on the PoE hub, the RCP, and the BURANO.

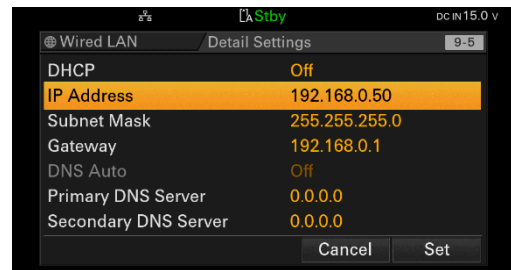
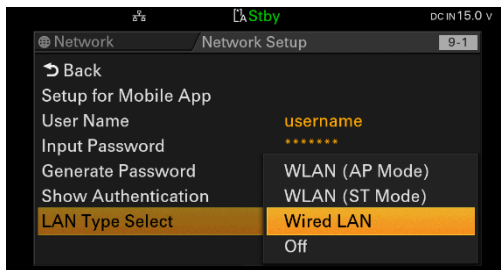
## Setting up the BURANO

### 1. Setting up a Username and a Password



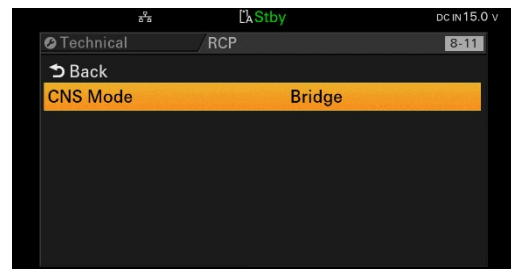
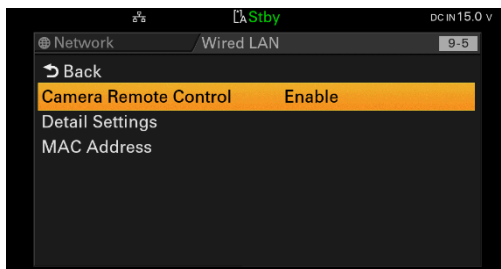
- Go to Network > Network Setup.
- Set a username and a password.

### 2. Setting up the Wired LAN



- Enable the Wired LAN in Network > Network Setup > Lan Type Select.
- Set IP address, Subnet mask, Gateway in Network > Wired LAN > Detail Settings.

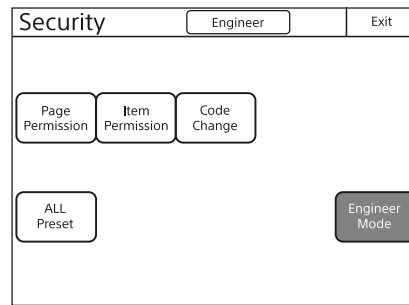
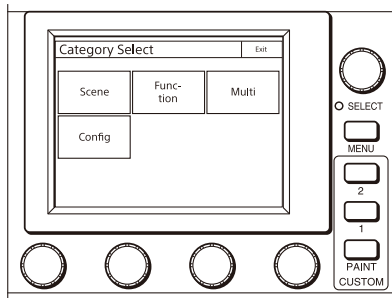
### 3. Setting up the Remote Function



- Set Network > Wired LAN > Camera Remote Control to Enable.
- Set Technical > RCP > CNS Mode to Bridge.

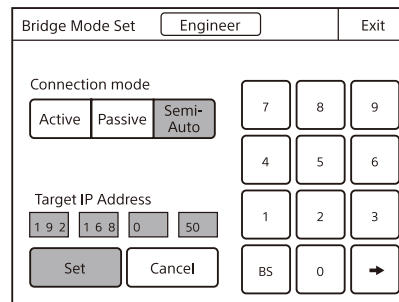
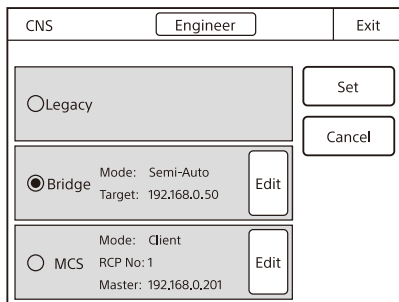
## Setting up the RCP

### 1. Entering Engineer Mode



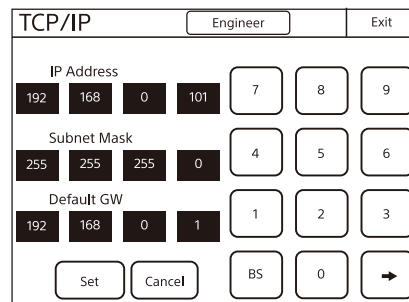
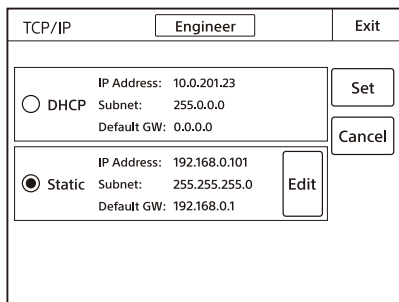
- Press Menu button, then press Config > RCP > Security.
- Press Engineer Mode to light the button.

### 2. Setting Bridge Mode



- Press Menu button, then press Config > Network > CNS.
- Press Edit in Bridge.
- Set the connection mode to Semi-Auto and set the target IP address.
- Check that the Bridge radio button is selected and press Set.

### 3. Setting TCP/IP



- Press Menu button, then press Config > Network > TCP/IP.
- Press Edit in Static.
- Set IP address, subnet mask, and default gateway of the unit.
- Check that the Static radio button is selected and press Set.

## Available RCP Commands on BURANO

Item		BURANO Ver. 1.1 (*1)
Iris (*2)	Iris	✓
	Auto Iris On/Off	✓
Black	Master Black	✓
	R Black	✓
	B Black	✓
White (*3)	R Gain	✓
	B Gain	✓
	Color Temp	✓
	Color Temp Balance (Tint equivalent)	✓
	ATW On/Off	✓
	AWB	✓
ND	ND control (Step) (*4)	✓
Gain	Gain Step (*5)	✓
Detail (*6)	Detail On/Off	✓
	Level	✓
	H/V Ratio	✓
	Limit	✓
	Crispening	✓
Matrix	Multi Matrix On/Off	✓
	Multi Matrix Area Indication (*7)	✓
	Reset	✓
	Axis	✓
	Multi Matrix Hue	✓
	Multi Matrix Saturation	✓
Tally	R-Tally	✓
	G-Tally	✓
Call	Call	✓

### Notes:

- \*1) This capability chart is for when the RCP-1501/3501 is connected. The available features and limitations vary depending on what RCP you use.  
In Cine EI mode, only Iris, White (except ATW), ND, Tally and Call can be operated.
- \*2) In E-mount lenses, iris control is possible. PL-mount lenses only support iris reading.
- \*3) Currently selected memory setting values can be operated.
- \*4) Variable in increments of 1 stop. Fixed to Step mode with RCP connected.
- \*5) Variable in increments of 3 dB. Fixed to dB mode with RCP connected.
- \*6) Adjustment values are rounded to the values that can be set on the camera body.
- \*7) Paint/Look > Multi Matrix > Area Indication Control needs to be "Menu & RCP" on the BURANO side.

## Control BURANO with Monitor & Control



Monitor & Control (M&C) is an application that connects to a single camera and is used for remote control of the camera and to display/control clips from the camera. You can also connect to up to four cameras using the multi-camera monitoring function (iPad only). This app can be used free of charge.

For information on how to connect BURANO with M&C and the available features, please refer to the M&C Help Guide.

**Monitor & Control is available on App Store and Google Play:**





## Control BURANO with Camera Remote Toolkit



Sony's Camera Remote Toolkit allows you to access and control Sony cameras remotely. There are two options within the toolkit: Camera Remote SDK and Camera Remote Command. BURANO only supports Camera Remote SDK.

### Camera Remote SDK

Camera Remote SDK provides software developers a way for integrating Sony cameras in their solutions and applications. With this SDK developers will be able to create customized software applications to control Sony cameras remotely from a host PC and get the image data captured with Sony cameras. This SDK allows software developers to realize a number of functions, such as changing the camera settings, shutter release and live view monitoring in their software applications.

**For more details, please refer the following web page:**

<https://pro.sony/solutions/digital-imaging/sdk>

# APPENDIX

## RCP Capability: BURANO and VENICE 2

Item		Sub-item	BURANO	VENICE 2	
Shooting	FPS	Fixed/Variable Select		✓	
		FPS Select		✓	
	Shutter Select	Shutter ON/OFF		✓	
		ECS ON/OFF		✓	
		Shutter Speed		✓	
		ECS Frequency		✓	
		ND	ND Position	✓	✓
	Gain	Gain (Step)	✓	✓	
	White Balance	Color Temp	✓	✓	
		Color Temp Balance	✓	✓	
		R Gain	✓	✓	
		B Gain	✓	✓	
		Auto White Balance	✓	✓	
Auto Tracing White		✓			
Project	Screen File			✓	
	Standard File			✓	
Paint	Switch Status	Gamma		✓	
		Black Gamma		✓	
		Matrix		✓	
		Knee		✓	
		White Clip		✓	
		Detail		✓	
		Flare		✓	
		Test Saw		✓	
		Black	Master Black	✓	✓
			R Black	✓	✓
	B Black		✓	✓	
	Flare	Setting		✓	
		Master Flare		✓	
		R Flare		✓	
		G Flare		✓	
		B Flare		✓	
	Gamma	Setting		✓	
		Gamma Category		✓	
		Gamma Select		✓	
	Black Gamma	Setting		✓	
		Range		✓	
		Master Black Gamma		✓	
	Saturation	Setting		✓	
		Level		✓	
	Knee	Setting		✓	
		Point		✓	
		Slope		✓	
	White Clip	Setting		✓	
		Level		✓	

Item		Sub-item	BURANO	VENICE 2	
Paint	Detail	Setting	✓	✓	
		Level	✓	✓	
		H/V Ratio	✓	✓	
		Crispening	✓	✓	
		Level Depend		✓	
		Level Depend Level		✓	
		Frequency		✓	
		Knee Aperture		✓	
		Knee Aperture level		✓	
		Limit	✓	✓	
		White Limit		✓	
		Black Limit		✓	
		Skin Detail	Setting		✓
			Skin Gate		✓
	Natural Skin Detail			✓	
	Zoom Link			✓	
	Channel Switch			✓	
	CH1 Detail Setting			✓	
	CH2 Detail Setting			✓	
	CH3 Detail Setting			✓	
	Matrix	Setting		✓	
		User Matrix		✓	
		User Matrix R-G		✓	
		User Matrix R-B		✓	
		User Matrix G-R		✓	
		User Matrix G-B		✓	
		User Matrix B-R		✓	
User Matrix B-G			✓		
Multi Matrix	Setting	✓	✓		
	Area Indication	✓	✓		
	Reset	✓	✓		
	Axis	✓	✓		
	Hue	✓	✓		
	Saturation	✓	✓		
	Technical	Test Signals	Color Bars ON/OFF		✓
Test Saw				✓	
	Rec			✓	
	Play			✓	
	Stop			✓	
	F.Rev			✓	
	F.Fwd			✓	
	Rec Review			✓	
	Next			✓	
	Prev.			✓	
White Mode	Preset On/Off			✓	
Iris	Iris Level	✓		✓	
	Close			✓	
	Auto Iris On/Off	✓			

Item	Sub-item	BURANO	VENICE 2
Zoom	Remote		✓
	Speed		✓
	Tele-Wide		✓
	Zoom Value [%]		✓
	Focal Length [mm]		✓
Focus	Remote		✓
	Focus Position		✓
	Focus Value [%]		✓
	Focus Length [m]		✓
Call		✓	✓
Tally	R-Tally	✓	
	G-Tally	✓	

**Notes for BURANO:**

For more details, refer “Available RCP Commands on BURANO” (p.6).

**Notes for VENICE 2:**

This capability chart is for when the RCP-1501/3501 is connected. The available features and limitations vary depending on what RM/RCP you use.

For more details about VENICE 2, refer the user manual.

<https://pro.sony/products/digital-cinema-cameras/venice2>

---

**Trademarks**

- All system names and product names are registered trademarks or trademarks of their respective owners. Trademarked items are not indicated by ® or ™ symbols in this document.