BARCO
Visibly yours

Barco, Inc.
Toll Free: +1 (888) 414-7226
Fax: +1 (916) 859-2515
Technical Support: +1 (866) 374-7878
Website: www.barco.com

ScreenPRO-II
Quick Start Guide

Analog Inputs
Connect to analog sources such as PCs, VTRs, and cameras. Use breakout cables as required. See * below for details.

Background / DSK Inputs
Connect to DVI sources such as PCs. Input B can be either BG or DSK, but not both. Backgrounds and DSK are unscaled sources.

Serial 1
For downloading firmware updates.

Ethernet
For use with external controller.

Genlock
Connect a reference signal such as black burst or composite sync.

Preview Out
Connect to analog Preview monitor.

SDI Inputs
On HD model only, connect to SD-SDI or HD-SDI sources.

Program Out Digital
Connect to projector.

Program Out Analog
Connect to projector or analog Program monitor.

AC
Connect to AC power source.

(Rear panel diagram labels: SDI In, Analog In, BG/DSK In, Genlock (In / Loop), Preview Out, Program Out, Serial 1, Serial 2, Ethernet, 100-240 V ~ 50-60 Hz 2.3 A)

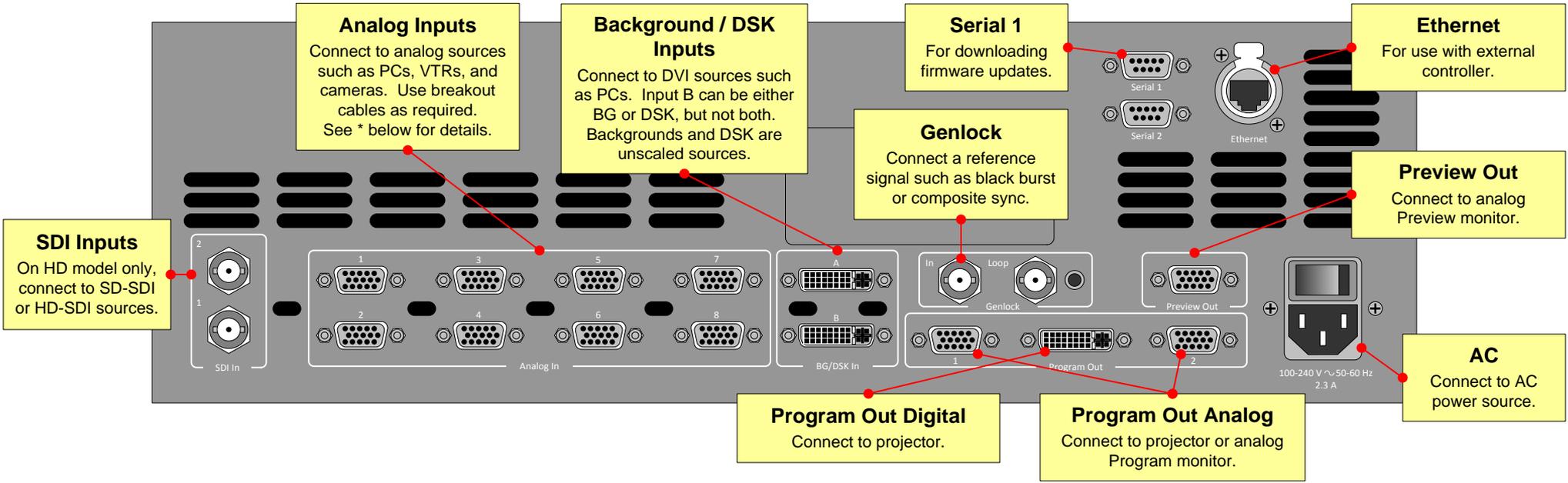
Quick Install and Setup

Getting Started

1. Observe all safety precautions. Rackmount chassis, or install in "tabletop" configuration.

2. Connect all inputs, monitors, projector and AC. Install genlock signal if required. Power on.

3. Perform factory reset: Using **Touch Screen** buttons, press {**SYSTEM**} > {**RESET**}. On **Reset Type** line, use **ADJ** knob to select **FACTORY**. Press {**RESET**} > {**YES**}.

4. Calibrate **Touch Screen**: Press {**DISPLAY**} > {**LCD CAL**}, and follow on-screen prompts.

Output and Projector Setup

5. Press {**OUTPUT**}.

6. On **Format** line, select projector's native resolution.

7. Press {**SELECT FORMAT**} to accept, then {**SAVE**}.

8. For projector setup, press {**TEST PATTERN**}.

9. On the **Type** line, select the **Burst** pattern.

10. Adjust your projector as required. [User's Guide: Chapter 5, "**Projector Setup**" section.]

11. When complete, set test pattern **Type** to **Off**, set **Raster Box** to **Off**, then press {**HOME**}.

Input Setup

12. On the **Source Selection Bus**, press an input button. If the "acquire" is successful, the source appears on Preview. This may take several seconds.

13. Press {**SAVE**}. The **Input Menu** will appear.

14. If the "**Acquisition Failed**" message appears, check all connections and press {**FORCE ACQUIRE**}. If successful, press {**SAVE**}.

15. If the input still does not acquire, perform a detailed setup. [User's Guide: Chapter 5, "**Comprehensive Input Setup**" section.]

16. Repeat from step **12** for all remaining inputs. Be sure to {**SAVE**} each input.

● **Note**: To adjust input size, use the {**SIZING**} menu. [User's Guide: Chapter 4, "**Sizing Menu**" section.]

Background, DSK, and LOGO Setup

17. See User's Guide, Chapter 5 for setup procedures. DVI background and DSK must be set at same resolution as system output.

* Breakout Cables for Analog Inputs

Breakout Cable Wire Color	Comp Video	S-Video (Y/C)	YUV (YPbPr)	RGB Sync on Green	RGB Comp Sync	RGB Separate H V
R		✓ (Chrom)	✓ (Pr)	✓	✓	✓
G	✓	✓ (Lum)	✓ (Lum)	✓	✓	✓
B			✓ (Pb)	✓	✓	✓
H Sync					✓	✓
V Sync						✓

ScreenPRO-II User's Guide

● For complete details on all installation and operations procedures, please refer to the ScreenPRO-II User's Guide.
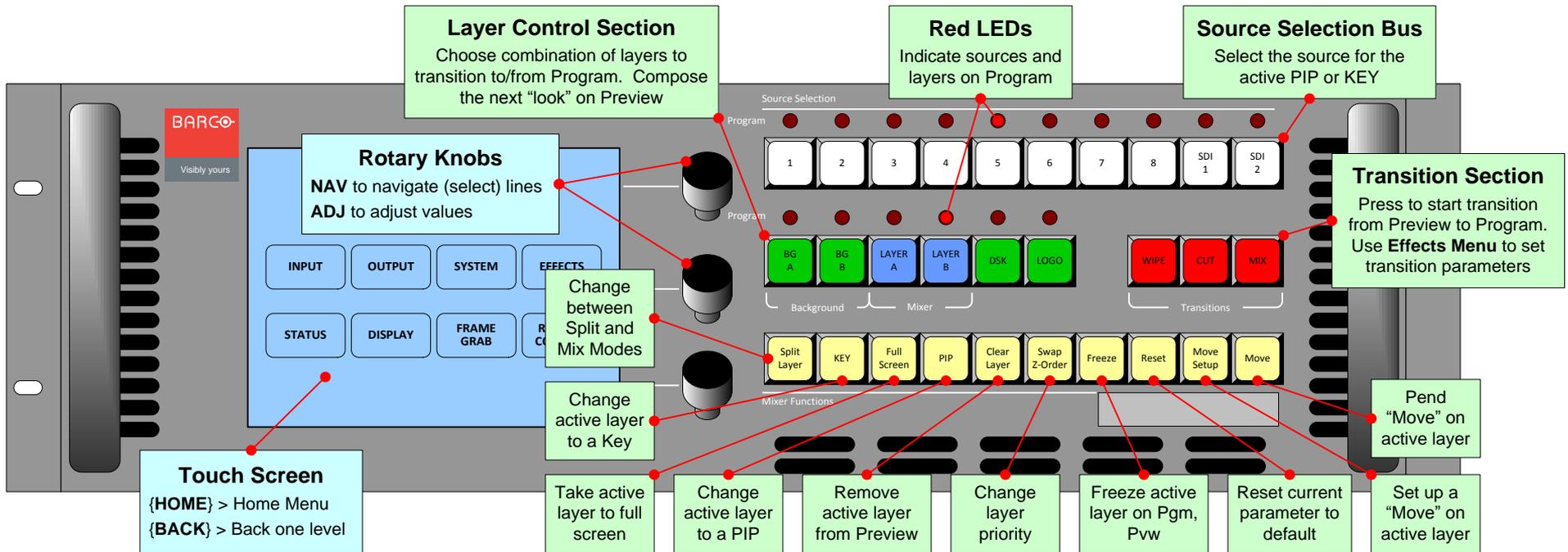
Barco, Inc.

Toll Free:	+1 (888) 414-7226
Fax:	+1 (916) 859-2515
Technical Support:	+1 (866) 374-7878
Website:	www.barco.com

ScreenPRO-II

Quick Start Guide

BARCO
Visibly yours

Layer Control Section
Choose combination of layers to transition to/from Program. Compose the next "look" on Preview

Red LEDs
Indicate sources and layers on Program

Source Selection Bus
Select the source for the active PIP or KEY

Rotary Knobs
NAV to navigate (select) lines
ADJ to adjust values

INPUT   OUTPUT   SYSTEM   EFFECTS
STATUS   DISPLAY   FRAME GRAB   R CO

Change between Split and Mix Modes

Change active layer to a Key

Touch Screen
{**HOME**} > Home Menu
{**BACK**} > Back one level

Source Selection
Program

1 2 3 4 5 6 7 8 SDI 1 SDI 2

Program

BG A   BG B   LAYER A   LAYER B   DSK   LOGO

Background   Mixer

Transition Section
Press to start transition from Preview to Program. Use **Effects Menu** to set transition parameters

WIPE   CUT   MIX

Transitions

Split Layer   KEY   Full Screen   PIP   Clear Layer   Swap Z-Order   Freeze   Reset   Move Setup   Move

Mixer Functions

Pend "Move" on active layer

Take active layer to full screen

Change active layer to a PIP

Remove active layer from Preview

Change layer priority

Freeze active layer on Pgm, Pvw

Reset current parameter to default

Set up a "Move" on active layer

Important Global Rules

- **Red LED**: source or layer is on Program, but not adjustable
- **Blinking button**: source or layer active for modification
- **Solid button**: source or layer on Preview, but not adjustable
- **Backgrounds**, **DSK** and **LOGO** are unscaled sources.
- **Background B** and **DSK** are mutually exclusive. If one is on-air, the other cannot be used.
- "**Blinking**" **Raster Box** is the one enabled for modification.

Button Color Usage

1	**White**: Sources	BG A	**Green**: Unscaled sources
PIP	**Yellow**: Functions that apply to active layer	LAYER B	**Blue**: Scaled sources
MIX	**Red**: Transitions		

Operations Overview

Working with PIPs in Mix Mode

- Always compose your "look" on Preview. This represents the exact appearance of Program — after you transition.

1. On **Source Selection Bus**, select an input.
2. Press **PIP**. The **PIP Adjustment Menu** appears.
3. (Optional) Press **Full Screen**.
4. Adjust PIP size, position, border, shadow, source image, cropping and "special effects." [User's Guide: Chapter 6, "**Modifying PIPs**" section.]
5. Transition the setup to program by pressing **WIPE**, **CUT** or **MIX**. [User's Guide: Chapter 6, "**Working with Transitions**" section.]
6. For the next PIP setup, repeat from step **1**.
7. To remove layer from Preview, press **Clear Layer**, and then press **WIPE**, **CUT** or **MIX** to remove the layer from Program.
8. For information on all operational modes and features, refer to Chapter 6, "**Operations**" in the User's Guide.

Menu System Orientation

Use this list to learn what's available on each menu

From the **Home Menu**, press:

- {**INPUT**} > **Input Menu**. Set input format, adjust brightness & contrast, adjust aspect ratio, set color balance, sizing
- {**OUTPUT**} > **Output Menu**. Set output format, adjust genlock params, set test patterns and output raster box
- {**SYSTEM**} > **System Menu**. Set "mix mode" params, software reset, diagnostics, program EDID, set com params
- {**EFFECTS**} > **Effects Menu**. Set transition and wipe params
- {**STATUS**} > **Status Menu**. Display software version
- {**DISPLAY**} > **Display Settings Menu**. Set Touch Screen brightness/contrast, button backlight, and LCD calibrate
- {**FRAME GRAB**} > **Frame Grab Menu**. Grab still frames to use as background, DSK or LOGO source
- {**REMOTE CONTROL**} > **Remote Control Menu**. Enable & disable remote control.