BARCO

Visibly yours

DCS-100
Quick Start Guide

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Menu Display
Use **ADJUST** knob, plus **SEL** and **ESC** buttons to navigate menus.

Adjust
- **Counter-clockwise**: scroll down menu tree, or decrement values.
- **Clockwise**: scroll up menu tree, or increment values.

SEL
Press to enter a menu, change or accept a parameter, or answer "**Yes**" to a query.

Inputs Section
Sources 1-6: Analog
Sources 7-8: DVI or Analog
SDI: SD-SDI or HD-SDI
LOGO: Full screen capture

Button States
Off: Input not selected
Blinking (fast): Input being acquired
Blinking (slow): Input "pending" for transition
Lit solid: Input on Program

Inputs

PROGRAM: RGB
1024x768 @59.94
NEXT: SDI
NTSC (480i)

Adjust

SEL

ESC

1 2 3 4 5 6 7 8 SDI LOGO

DCS-100

Effects

FRZ BLACK KEY

TAKE

TAKE
Press to mix the selected input to Program, or to execute a pending key or black transition. Use the **Setup Menu** to adjust the transition time.

ESC
Press to exit a menu without making changes, cancel an operation, or answer "**No**" to a query.

FRZ
Press to freeze or un-freeze current Program source. **Lit solid** = frozen.

BLACK
Press to pend or initiate a black transition. **Black Auto Take** mode affects function (User Preferences). **Blinking** = Pending. **Lit solid** = Black on Program.

KEY
Press to pend or initiate a key transition. **Key Auto Take** mode affects function (User Preferences). **Blinking** = Pending. **Lit solid** = Key on Program.

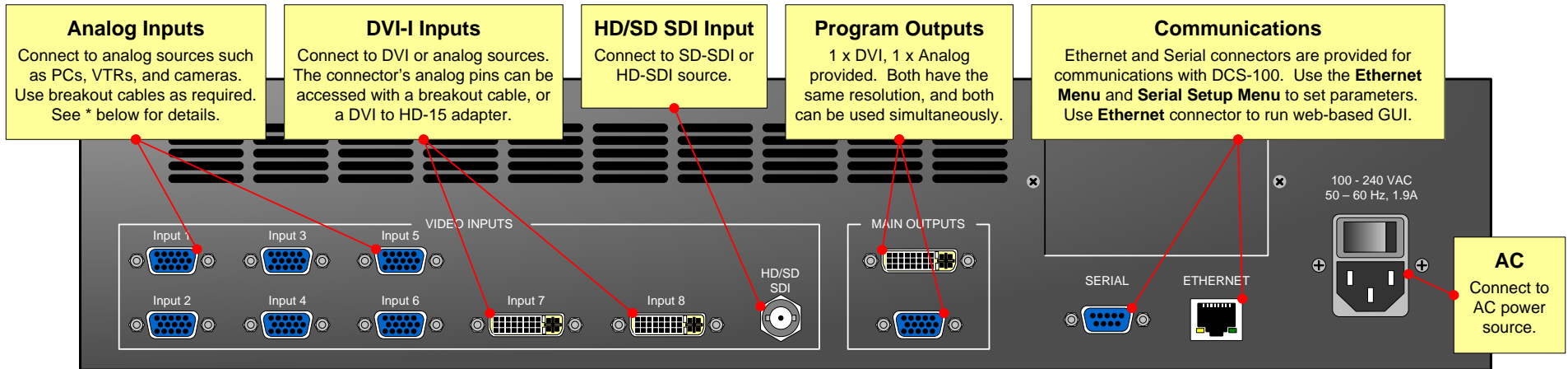**NOTE** After each **TAKE**, Program and pending sources flip-flop.

Quick Setup and Operations

⚠️ The following list summarizes DCS-100 setup and operations. For error-free installation, <u>always</u> refer to the listed section in the User's Guide.

1 **Connect Power** — Ensure that power is properly connected to the DCS-100. (Chapter 3, "Power Installation")

2 **Connect Inputs** — Connect all analog, DVI, and SDI input sources to the DCS-100. (Chapter 3, "Signal Installation")

3 **Connect Outputs** — Connect the output(s) of the DCS-100 to your projector(s) or other target devices. (Chapter 3, "Signal Installation")

4 **Power On** — Turn on power to the DCS-100, your projector(s), and to all peripheral equipment. (Chapter 4, "Power-Up Initialization")

5 **Factory Reset** – When using a DCS-100 for the first time, perform a factory reset. (Chapter 4, "Factory Reset")

6 **Launch GUI** — (Optional) Connect your laptop to the DCS-100, log onto the DCS-100 using its IP address, and launch the GUI. (Chapter 5, "GUI Operations")

7 **Set Output Format** — Set the desired output resolution and frame rate. (Chapter 4, "Output Format")

8 **Enable Test Pattern** — Turn on a test pattern, verify an image, and adjust as required. When complete, turn off the pattern. (Chapter 4, "Test Pattern")

9 **Save Output Configuration** — After completing all output adjustments, save the output configuration. (Chapter 4, "Save Output Config")

10 **Select and Adjust Input** — Select an input, and perform the necessary image adjustments. (Chapter 4, "Input Menu")

11 **Save Input Configuration** — After completing all adjustments for an input, save the input configuration. (Chapter 4, "Save Input Config")

12 **Repeat for Each Input** — Repeat steps 9 and 10 for each input that you have connected to the DCS-100.

13 **Adjust Key Source** — As required, select the desired key source and adjust its clip, gain and opacity. (Chapter 4, "Using Keys")

14 **Adjust System Parameters** — Adjust parameters such as transition time, display brightness, user prefs. (Chapter 4, "Trans Time," "System Menu")

15 **Save System Configuration** — After completing all system adjustments, save the system configuration. (Chapter 4, "Save System State")

16 **Enable Remote Control** — (Optional) Connect Ethernet or Serial communications, and issue desired commands. (Appendix B, "Remote Control")

17 **Ready to Roll** — With all output, input and system configurations saved, press the desired input button, and press **TAKE**.

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

DVI-I Inputs
Connect to DVI or analog sources. The connector's analog pins can be accessed with a breakout cable, or a DVI to HD-15 adapter.

HD/SD SDI Input
Connect to SD-SDI or HD-SDI source.

Program Outputs
1 x DVI, 1 x Analog provided. Both have the same resolution, and both can be used simultaneously.

Communications
Ethernet and Serial connectors are provided for communications with DCS-100. Use the **Ethernet Menu** and **Serial Setup Menu** to set parameters. Use **Ethernet** connector to run web-based GUI.

VIDEO INPUTS

Input 1　Input 3　Input 5
Input 2　Input 4　Input 6　Input 7　Input 8　HD/SD SDI

MAIN OUTPUTS

SERIAL　ETHERNET

100 - 240 VAC
50 – 60 Hz, 1.9A

AC
Connect to AC power source.

Status Menu

```
PROGRAM:        RGB        ← Program Input Type
       1024x768 @59.94     ← Program Input Format
NEXT:           SDI        ← Next Input Type
       NTSC (480i)         ← Next Input Format
```
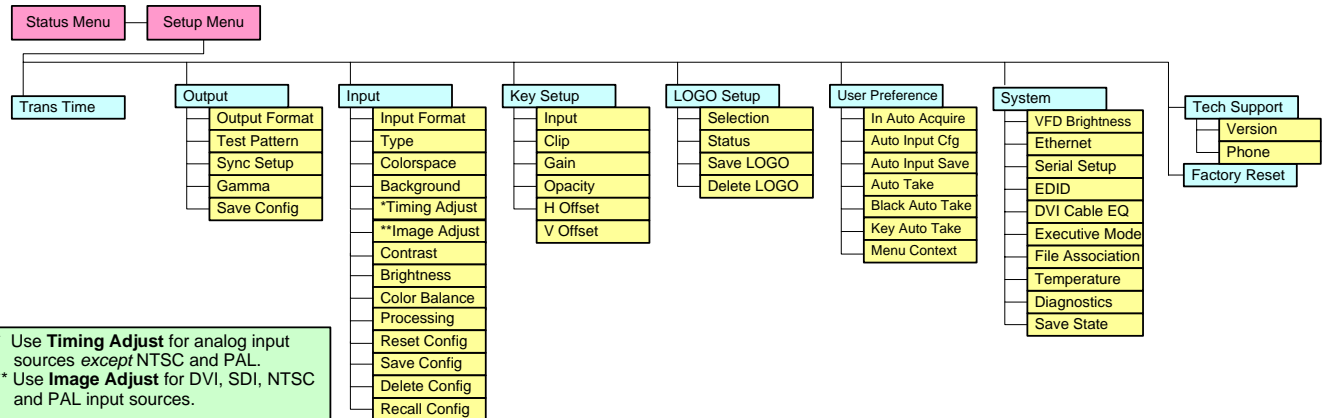
Sample Status Menu

- **Input Type** — Specifies the type of input signal currently on Program.
- **Input Format** — Indicates video format on Program. If the input is not valid, "Invalid Signal" is shown.
- **Next Input Type** — Indicates next Program input type, plus HDCP status (if applicable).
- **Next Input Format** — Indicates next Program input format.

IMPORTANT
If "**HDCP Violation**" appears, an HDCP source is selected, but a non-HDCP compliant display device has been detected. Video output is disabled.

NOTE
- To display the **Setup Menu** from the **Status Menu**, press **SEL**.
- To return to the **Status Menu** from any point in the **Setup Menu**, press **ESC** repeatedly.

Menu Tree — *only top level functions are shown*

Status Menu — Setup Menu

Trans Time

Output
- Output Format
- Test Pattern
- Sync Setup
- Gamma
- Save Config

Input
- Input Format
- Type
- Colorspace
- Background
- *Timing Adjust
- **Image Adjust
- Contrast
- Brightness
- Color Balance
- Processing
- Reset Config
- Save Config
- Delete Config
- Recall Config

Key Setup
- Input
- Clip
- Gain
- Opacity
- H Offset
- V Offset

LOGO Setup
- Selection
- Status
- Save LOGO
- Delete LOGO

User Preference
- In Auto Acquire
- Auto Input Cfg
- Auto Input Save
- Auto Take
- Black Auto Take
- Key Auto Take
- Menu Context

System
- VFD Brightness
- Ethernet
- Serial Setup
- EDID
- DVI Cable EQ
- Executive Mode
- File Association
- Temperature
- Diagnostics
- Save State

Tech Support
- Version
- Phone

Factory Reset

* Use **Timing Adjust** for analog input sources *except* NTSC and PAL.
** Use **Image Adjust** for DVI, SDI, NTSC and PAL input sources.

* Breakout Cables for Analog Inputs

Use this table to connect various source formats to the DCS-100, using the system's analog input connectors (**Inputs 1 - 6**).

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

For complete details on all installation, setup, and operating procedures, refer to the **DCS-100 User's Guide**.