DATASHEET

ATP SERIES
Flexible Advanced Touch Panel Family

The ATP series of touch panels use the latest in high-resolution "stretched bar" TFT modules with bonded capacitive touch control (and, in some configurations, comfortable easy-to-use physical button overlays) to provide leading-edge ergonomics and agile operational responsiveness.

Grass Valley® Advanced Touch Panels (ATPs) meet a multitude of needs for network system control including device selection, router control, real-time parameter adjustments, and the display of active video. Dynamically configurable graphical screens, with or without button overlays, allow such things as key and status indicator layouts to be optimized for specific device control sets. This offers exceptional flexibility compared to traditional "fixed position" LCD button panels. All ATP series panels are designed for easy deployment with the Agile Media Processing Platform (AMPP®). They offer a flexible long-term solution.

ATP panel configurations that use the physical buttons (if present), and a variety of AMPP widgets are simple to create. Panels can be designed to function similarly to traditional LCD control panels. Equally easily, they may be designed for innumerable customer configurations.

ATP Series Flexible Advanced Touch Panel Family

These panels are ideal for AMPP control applications. Several ATP series panel configurations offer an elegant solution for selection, status reporting, and control of the multiple channels. There are thousands of possibilities.

Members of the ATP family are also perfect for conventional router control applications. For example, the ATP-2154 has 54 arbitrarily colored buttons that can be used for selecting, sources, destinations, levels, and salvos. The ATP-2127-K, similarly, could do the same with 27 buttons while also providing a touch screen and dial for other needs.

Why should you choose ATP series control panels?

- Ergonomic design with excellent tactile feel and responsiveness
- Flexible user screen layouts for each function and alternative device control sets
- Shallow depth 2 RU housing with external AC/DC adapter for easy mounting in consoles and desks or engineering racks and bays
- High peak luminance and wide viewing angle
- Adjustable screen contrast, brightness, and backlight for optimal viewing in different ambient lighting conditions

Applications
ATP series control panels are suitable for myriad media and broadcast applications, from studio and venue control rooms, through OBs, to incorporation in compact fly-packs. They easily mount in consoles, desks or any standard 19" rack.
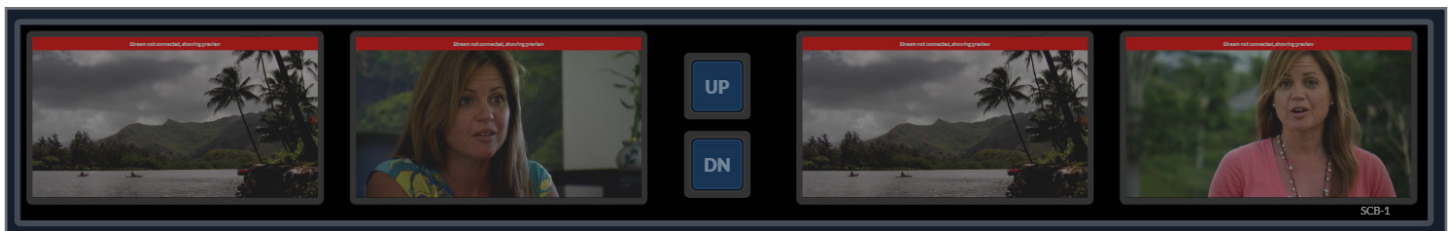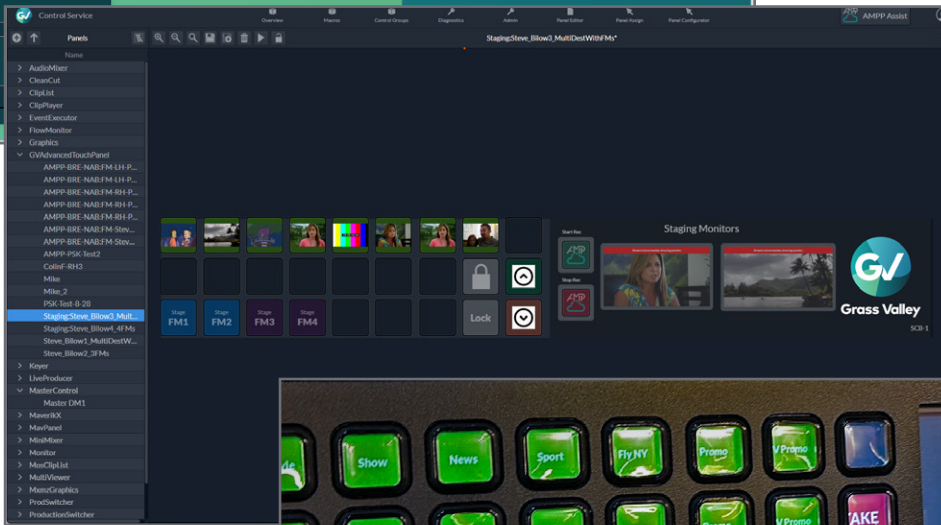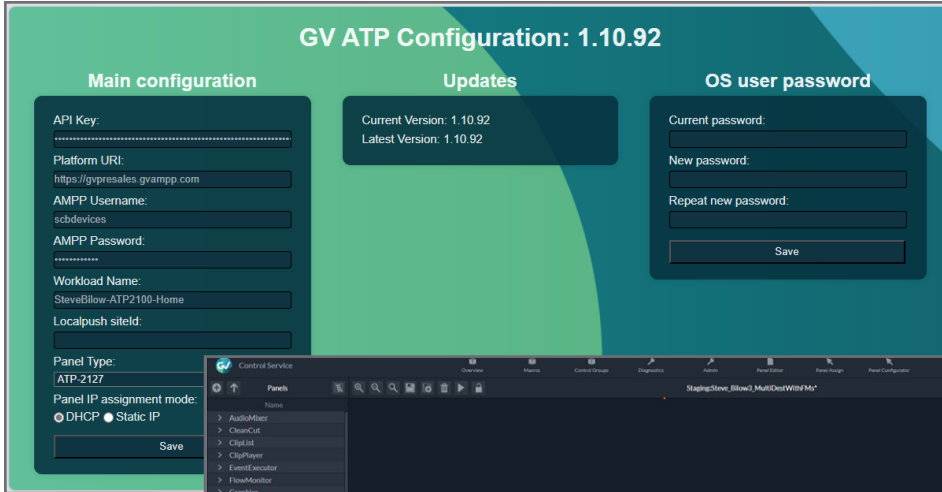
Key Features

General Features

- Operational software pre-installed
- 1 GbE Ethernet port connectivity
- Dual user USB ports and one OTG port
- Dual Micro SD card slots (boot and storage)
- 12V DC power
- Seamless integration with the Advanced Media Processing Platform (AMPP)

Ergonomic Features

- 2 RU 19" rack-mountable metal enclosure
- Display resolution of 1920 x 285 pixels with 24-bit color depth of 16.4M colors
- 800 cd/m^2 peak luminance with adjustable backlight
- Wide viewing angle
- Optically bonded Projected Capacitive Touch (PCT) Multi-touch > 5 fingers
- Shallow depth < 70 mm (2.76")

Available Panels

- **ATP-2100 —** No buttons or jog dial. Flexibility to adapt the display to user needs. Can display text, images, AMPP flow monitor video, thumbnails, graphics, source/destination/lock/etc. buttons, and a variety of controls.
- **ATP-2100-K —** No buttons but includes jog dial. Maximum flexibility to adapt the display to user needs while providing physical control for parameter adjustments, page changes and more
- **ATP-2127-K —** 27 buttons with a graphical display and jog dial. Ultimate flexibility to adapt to user needs while combining physical buttons and control for parameter adjustments, page changes and more
- **ATP-2154 —** 54-button control panel capable of displaying text, images, thumbnails and color on any button at any time. The next step in traditional router control ergonomics
- **ATP-2180 —** 2 RU panel with 80 physical buttons capable of displaying colors, text and images. Includes one power supply. Compatible with AMPP only.

Specifications

External I/O
Ethernet: 10/100/1000 Mb/s (IEEE 802.3af)
USB: 2x user ports
1x OTG (On-The-Go) micro port
Micro SD card: 1x boot, 1x storage

Power
Connector: DC jack (Screw-lock connector)
Voltage: 12V DC nominal (11.0 – 12.5)
Current: 2A max.

Physical
Width: 483 mm (17.1 in.)
Height: 88 mm (3.5 in.), 2 RU rackmount
Depth: 69 mm (2.7 in.)
Weight: 2 kg (4.4 lbs.)

Display Size
Width: 409 mm (16.3 in.)
Height: 61 mm (2.4 in.)

Environmental
Operating temperature: +50°C (122°F) max.
Ventilation: Rear panel (fanless cooling)

Compliance
Hazardous material: RoHS-6 (UK) – Complies with EU Directive

Ordering

ATP-2100
2 RU touchscreen panel with one power supply. Compatible with GV Orbit and AMPP only.

ATP-2100-K
2 RU touchscreen panel including a jog dial. Includes one power supply. Compatible with GV Orbit and AMPP only.

ATP-2127-K
2 RU panel with 27 physical buttons capable of displaying colors, text and images on the left, ½ rack touchscreen on the right, and a jog dial. Includes one power supply. Compatible with GV Orbit and AMPP only.

ATP-2180
2 RU panel with 80 physical buttons capable of displaying colors, text and images. Includes one power supply. Compatible with AMPP only.

ATP-2154
2 RU panel with 54 physical buttons capable of displaying colors, text and images. Includes one power supply. Compatible with GV Orbit and AMPP only.

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