Grass Valley
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ATP PANEL SOFTWARE

Version v1.2.0

Release Notes

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Title	ATP Panel Software Version 1.2.0 Release Notes
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Table of Contents

ATP Panel Software Release Notes

This document lists new features and enhancements, along with any fixed bugs, as well as any known issues and limitations associated with the latest version of the ATP Panel Software for the ATP series panels.

ATP Panel Software version 1.2.0 is a minor release containing a few enhancements and a bug fix (see below). Except for these Release Notes, no changes have been made to earlier documentation, which remains valid for this release.

This chapter lists New Features, Enhancements, and Bug Fixes, on page 6, and Known Issues and Limitations, on page 7.

Hardware Requirements

The ATP software version 1.2.0 runs on the following Advanced Touch Panel only:

- ATP-2000
- ATP-2100

Related Documentation

You can obtain the latest product documentation from the Documentation Library section of Grass Valley's website (refer to www.grassvalley.com/docs/page/).

Use the following related documentation to configure an ATP Panel Software and to better understand the available features. For first-time users, documentation should be read according to the Reading Order.

Reading Order	GV Part Number	Document Title
1	DS-PUB-2-0927A-EN	ATP Panel Datasheet
2	13-03082-210	ATP-2000 Welcome Note
	13-03082-250	ATP-2100 Welcome Note
3	13-03082-200	ATP Panel Software Software Release Notes (this document)
4	13-03082-230	ATP-2000 User Guide
	13-03082-260	ATP-2100 User Guide

New Features, Enhancements, and Bug Fixes

The following is a list of added ATP-2000 & ATP-2100 Software features and enhancements. The most recent items are marked with a star (★) symbol.

ATP-2000 & ATP-2100 Software Version v1.2.0

New Features and Enhancements

★ [Ref. #ATP-148] **Support for XIP-UDC-IF v4.0.2 and XIP-UDC-IP v1.6.2:** Added support for XIP-UDC-IF version 4.0.2 and XIP-UDC-IP version 1.6.2.

Bugs Fixed

★ [Ref. #ATP-151] **Processing channels for XIP-IP application were not showing up:** Fixed an issue where the processing channels for the XIP IP application were not showing up on the panel's channel view.

★ [Ref. #ATP-158] **Support deglitcher for channels 3 and 4 in Quad mode:** Updated card controls panel to include the Deglitcher functions for channels 3 and 4 when XIP card is in Quad mode.

ATP-2000 & ATP-2100 Software Version v1.1.0

New Features and Enhancements

• **ATP-2100 is Supported:** The ATP-2100 Panel is supported with this release.

• [Ref. #ATP-132] **Support XIP-3901-IF:** Support added for parameter control of the XIP-3901-IF.

• [Ref. #ATP-110] **Support Browsing By Channels:** Added support to browse all supported XIP Processing Channels.

• [Ref. #ATP-106] **ATP-2000 panel card list uses NMOS label:** On the ATP-2000 version 1.0.0, the panel would name each card Card 1, Card 2, Card 3, etc., but for a large numbers of cards it then became impossible to find the correct one.

This has been changed so the NMOS label from the card is now used (if not empty).

Bugs Fixed

• [Ref. #ATP-98] **ATP-2000 panel may show an error: "No session for pid xxxx" during boot:** An issue was fixed where an error: "No session for pid xxxx" was showing during the panel boot.

ATP-2000 & ATP-2100 Software Version v1.0.0

This is the first release.

Known Issues and Limitations

The following is a list of known issues and limitations associated with ATP-2000 & ATP-2100 Software release. The star (★) symbol indicates a new issue in ATP-2000 & ATP-2100 Software version 1.2.0.

ATP-2000 & ATP-2100 Software Known Issues and Limitations

- [Ref. #ATP-99] **Double clicking radio button causes jump between two values:** Use a *single* click to on a radio button on an ATP-2000 panel screen to switch from one value to another. Avoid double-clicking on radio buttons.

- [Ref. #ATP-101] **Pressing 'Previous' in a Card List with no Card Selected:** Do not press "Previous" in the card list when no card is selected. This causes the first card's control screen to be opened. Re-select card list navigation buttons to find desired card.

Installation and Network Requirements

This section details the requirements that must be met prior to installing or upgrading software on an ATP-2000 or ATP-2100 panel from Grass Valley.

An ATP panel typically operates in a GV Orbit system with one or more GV Orbit servers and one or more GV Orbit Client PCs.

Software Component Compatibility

ATP Advanced Touch Panel requires:

- GV Orbit server running GV Orbit software v1.5 or higher.
- One or more supported devices; see below.

Supported Devices

The ATP Panel Software Advanced Touch Panel supports the ability to configure, control, and monitor parameters on IQ and Densité Grass Valley devices.

Table 2-1: ATP Panel Software - Supported Devices

Card	Software Version	Comment
	XIP-3901-UDC-IP version 1.6.2	Ability to switch between Quad mode and Dual mode.
	XIP-3901-UDC-IF version 4.0.2	

Note: See documentation for the respective supported card/unit for more information. (Refer to www.grassvalley.com/docs/page/ and go to the required product web page for documentation.)

Network Requirements

ATP panels must have network connectivity to the GV Orbit system and ideally connected to a network that supports multicast traffic (for auto-discovery of devices).

TCP/UDP Port Usage

The various communication protocols used in a GV Orbit system for talking to an ATP panel require specific IP ports. The following network IP ports are used:

Client PC Open Network Port Requirements

IP Port	Open Inbound	Open Outbound	Used by Application/Protocol
22	●		Reserve for future use.
80		●	ATP panel web page.
2050	●	●	Default RollCall comms port.
5951 5953 5955	●	●	Densité REST API.
8000	●		ATP panel upgrade.
Multicast and Unicast	●	●	See Multicast and Unicast IP Ports, on page 10.

Multicast and Unicast IP Ports

Multicast and Unicast Port Usage and Domain ID

The IP ports required for communication between the GV Orbit Client, GV Orbit services running on a GV Orbit server, and other Grass Valley devices that make use of a Domain ID, are derived from the value of the Domain ID and the number of participants on the Domain.
For each Domain there is:

- one multicast port required for each participant to a Domain; and
- two unicast ports are required.

Multicast and Unicast Port Formulas

The following formulas are used to calculate the required multicast and unicast port numbers.

Discovery Multicast Port = 7400 + (250 x Domain ID)

Discovery Unicast Port = 7400 + (250 x Domain ID) + (2 x Participant ID) + 10

Data Unicast Port = 7400 + (250 x Domain ID) + (2 x Participant ID) + 11

Note: Participant IDs are zero-based.

Ports and Default Domain IDs

Default Domain IDs are used by the GV Orbit Client and by the GV Orbit services running on a GV Orbit server. The IP ports used for default Domain IDs are described below; if using user-defined Domain IDs, use the formulas above to calculate the required IP port numbers.

The following network ports must be open inbound and outbound on PCs running the GV Orbit Client; recalculate if a different Domain ID is used, or if multiple projects that use the same Domain ID are open concurrently:

Multicast and Unicast Ports Used for Default Domain IDs

ATP-2000 & ATP-2100 Item	Default Domain ID	Multicast IP Port	Unicast IP Port	Comment
-	0	7400	7410 7411	Domain 0 used for ATP Panel Software panel discovery.
Monitoring	100	32400	32410 32411	Used for communication with a GV Orbit server.
Note:	These IP ports must be open inbound and outbound on client PCs.			

> **Note:** When opening multiple projects on the same Domain at the same time, additional IP ports must be opened in accordance with the number of Domain Participants. Whilst the port numbers can be determined from the above formulas, the actual assignment of an IP port number to a Domain Participant is random.

Default GV Orbit Domain Numbers

A GV Orbit system communicates with various parts of its system and employs 'domains' to segregate its communications. Domains are specified with a Domain ID number (1 to 252; 0 is used for discovery). Domain numbers may be configured by the user as required as this may be necessary when you have more than one GV Orbit Server on the same network.

A new GV Orbit system uses default Domain IDs, described in the table below:

Default GV Orbit System Domain IDs

ATP Panel Software Domain	Default Domain ID	Comment
System	0	Used for system auto-discovery.
Reserved	1 to 99	Reserved for Grass Valley engineering use only.
Monitoring	100	Monitoring traffic, also known as the 'Client Domain'.
IP Endpoint Routing	101	Control of IP Endpoints for signal routing.
Routing Topology	105	For future GV Orbit releases.
Log Server	110	Used by the LogServer service for RollCall-protocol devices.
Biometrics	201	For future GV Orbit releases.

Grass Valley Technical Support

For technical assistance, contact our international support center, at 1-800-547-8949 (US and Canada) or +1-530-478-4148.

To obtain a local phone number for the support center nearest you, consult the Contact Us section of Grass Valley's website (www.grassvalley.com).

An online form for e-mail contact is also available from the website.

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