

## **MAGELLAN CCS NAVIGATOR 5.4.1 RELEASE SUMMARY**

Navigator 5.4.1 is a minor release with new features, enhancements and bug fixes. See the sections below for detailed explanations.

### **Features**

- SDNO support for PVX, IP3 Controller version 1.5, and PX-Res 9 RU and 15 RU.
- Enhanced PVX support: You can now launch the PVX HTTP control interface from the Discovery folder. (120225)
- It is now possible to transfer databases between 32-bit and 64-bit versions of Navigator. The Navigator versions must both be 5.4.1 or higher.
- Polling any of the IP3 Controller's four external IPs creates the same Routing System in Navigator. (121191)

### **Fixes and Incremental Improvements**

- Support for new Platinum SX Hybrid module PX-SXH-32x2. (121134)
- Implemented 64 levels of salvo, up from 16. (120532)
- Improved salvo and router group management so salvos and groups no longer get reordered when the Salvo Editor or Grouping tab is opened and closed. (120320)
- Fixed an error where the Salvo Editor couldn't show all the defined levels for one disconnected crosspoint after import from file or device. (1205829)
- Fixed an issue where Navigator couldn't log into the IP3 controller in Control mode. (117733)
- Fixed an issue where if you change a router ID and re-poll the router, the router keeps the old ID. (120356, 120262)
- Improvements to context sensitive Help files which didn't necessarily launch the correct page in Database Editor. (120310)
- Integration testing has been done with Windows 10 operating system.

### **Known Issues**

- When using an IP3 Controller routing system connected to legacy router devices (such as panacea, ABA panels, GPI panels), avoid having the IP3 HTTP interface or IP3 HTTP soft panel

running on the same PC as Navigator while performing operations on the legacy router devices (like polling or downloading); otherwise those operations could fail.

- VLC has a limitation that will Crash Navigator when live streaming Selenio HE streaming in some circumstances. This is why Selenio HE streaming is disabled by default and can be enabled from config.ini by setting EnableSelenioHEStreaming to 1.
- When viewing Selenio Thumbnail pages, switching Navigator from Control to Build mode can take 10-15 seconds. (119482)
- For thumbnails to work properly for SEL-MCP1/3 devices, use Navigator 5.4 with SEL-CTR 6.0 or newer. (116340)
- If SNMP Control fails to self-register when installing Navigator on Windows Server 2008, follow these steps:
  1. install 'Microsoft Visual C++ 2008 Service Pack 1 Redistributable Package MFC Security Update'. You can download this file from the internet.
  2. Enable the Desktop Experience feature (Start > Administrative Tools > Server Manager > Features > Add Features). (117242)
- When you uninstall Navigator 5.3 and install Navigator 5.4 on Windows Server 2008, 64 bit, you must reboot the PC after Nav 5.4 installation prior to launching Navigator software for correct operation. (104520)
- After upgrading Magellan CCS Navigator in Windows 8 and 8.1, the previous version's desktop shortcut and Navigator Start menu folder are not removed until the PC is restarted. (100628, 100343)
- Take response and crosspoint status can be slow in some circumstances. This can have many causes:
  1. The first time switching to Control mode, Navigator may take a few minutes to query all crosspoint statuses on large logical databases.
  2. A Data Router (Integrator) may be constantly reporting Inactive/Active.
  3. When a device on the XY network reboots, it re-queries the main router for all XY statuses. As the XY messages are propagated to all Clients, Navigator processes these one by one, slowing down Take responses.
  4. Crosspoint status can be slow when the debug "View Router Activity" window is open.

To diagnose this latency, try the following:

- Install Wireshark and take a snapshot of the traffic when the Software Panel response is slow. Find out if a router constantly reboots itself or reports itself Inactive/Active.

- FTP to the router, enable verbose mode and see which XY client is querying / sending XY messages continuously.
- Do not leave the “View Router Activity” window open unnecessarily.
- The number of CCSP devices also affects the overall Routing System performance. Make sure that CCSP traffic does not exceed 600 messages per second.
- Ensure the PC running Navigator follows the Readme.txt hardware recommendations. Large router databases require 16 GB memory and at least 4 CPUs.
- When configuring an IP3 in a hybrid system, you need to upgrade other elements of the system, or Publish will not work correctly. (88627)
  1. Edge must be V4.0B4 or higher
  2. Panacea frame with P-RES-H must be V4.0B4 or higher
  3. Platinum frame with PT-RES must be V4.1B13 or higher
- Cannot open Flatmatrix editor if a Device Type name contains ", ". (78680)
- Clean/Quiet Switch Panacea Routers Refresh does not work in realtime. You need to refresh Navigator control window to see changes.
- Signal presence reporting does not report properly on multi level configuration.
- When the configuration for a hardware panel is changed in Control mode without downloading the panel, the panel appears to have an Inactive state. To make the panel appear active again, switch to Build mode then Control mode again.
- After importing names.txt, crosspoint status is only reported for takes you do after switching to control mode. To correct the issue, after publishing in Build mode, repoll the routing system.
- When creating a matrix for Platinum SX Hybrid, by default no TDM matrix is created if no audio cards are assigned. To create a TDM matrix, create the multiviewer matrix with at least one input card manually assigned (even if it doesn't exist) and ensure that the DX option is checked, then delete that “fake” input card and assign the correct shared inputs.
- After restarting the PT-RES card in build mode, enhanced salvos may not show the correct active/inactive status; to correct the error, while in Build mode, repoll the Platinum frame after its resource card has been restarted.
- After creating a new administrator user, you need to restart navigator to connect to the new user's credentials (log off/log on is not sufficient).
- Failure to install or start MSMQ service can be seen on systems that have other installed applications that make use of MSMQ. To correct this issue, stop the MSMQ service manually and run the Navigator install again, selecting the option that preserves the database.

- Due to a Windows 8 and 8.1 security policy, navigating to Manuals and Help file for products in Navigator is not allowed. To open a manual, go to the Install folder /Doc/Manual subfolder and double click on the manual.
- Amino STB support is not available in Navigator 64-Bit. If you need to monitor Amino devices, use Navigator 5.4 32-Bit.

## **INSTALLATION**

Navigator 5.4.1 can be installed on a PC running Windows XP SP3, Windows Vista, Windows Server 2003 SP2, Windows 7 (32- and 64-bit), Windows Server 2008 SP2 operating systems on 32 bit platform, Windows 8 (32- and 64-bit), and Windows 8.1 (32- and 64-bit).

Navigator 5.4.1 can be installed as 32-bit or 64-bit. Choose the correct version for download based on your system capabilities. If you have a previous Navigator install, for best results choose a 32-bit installation. Special procedures are required to update a previous 32-bit install to Navigator 64-bit. See your User Manual for more information.

When you uninstall a previous version of Navigator and install Navigator 5.4.1 on Windows 8, Windows 8.1, or Windows Server 2008, 64 bit, you must reboot the PC after Nav 5.4.1 installation prior to launching Navigator software for correct operation.

**Important! If you are doing a fresh install of Navigator 5.4.1, make sure you have Windows Installer 4.5 (or newer) already installed on the PC. If you are upgrading from a previous release of Navigator, this step is not necessary.**

32-bits Navigator can be run on both 32-bits and 64-bits OS. Even if you are upgrading from a previous version of Navigator and have a 64-bits operating system, the 64-bits version may not be the optimal choice. This is due to the following:

- When migrating from an earlier version of Navigator to a Navigator 64-bits version, existing Navigator pages may not work.
- Both Navigator Server and Navigator Client need to run the same Navigator application flavor (32-bit or 64-bit). Otherwise Navigator pages created by Navigator Server 32-bit cannot be opened by Navigator Client 64-bit, and vice versa.
- Before upgrading Navigator Server, close all Navigator Client applications connected to it and upgrade them to the same version after the Navigator Server upgrade completes.
- When using the Backup/Restore utility, pages created in a 64-Bit version of Navigator will not open in 32-bit versions of Navigator, and pages created in the 32-bit version will not open in 64-bit versions.

If you have a 32-bits version of Magellan CCS Navigator and want to install Magellan CCS Navigator 5.4.1 64-bit, and you need to keep the router database, follow these steps:

1. Upgrade Magellan CCS Navigator to Magellan CCS Navigator 5.4.1 32bits version.

2. Backup the router database.
3. Uninstall Magellan CCS Navigator 5.4.1.
4. Reboot windows to clean up Pilot-Home.
5. Install Magellan CCS Navigator 5.4.1 64-bits version.
6. Reboot windows to set the new environmental variables.
7. Restore the router database.

If you do not need to keep the router database, follow these steps:

1. Uninstall the previous edition of Magellan CCS Navigator.
2. Reboot windows to clean up Pilot-Home.
3. Install Magellan CCS Navigator 5.4.1 64-bits version.
4. Reboot windows to set the new environmental variables.

See your Navigator documentation or readme for complete installation instructions.