

RELEASE NOTES

PRODUCTS SUPPORTED:

CONVERGE® Pro 2
Beamforming Mic Array 2
USB Expander
GPIO Expander
DIALOG™ 20 Wireless Mics

December 20 2017

CONVERGE PRO 2 CONSOLE
SOFTWARE AND FIRMWARE RELEASE NOTES

RELEASE 12.20.2017

Version Details

1. CONVERGE Pro 2 CONSOLE™ Software - v5.0.18.0
2. CONVERGE Pro 2 Firmware - v5.0.13.0
3. Beamforming Microphone Array 2 Firmware - v1.0.3.12
4. USB Expander Firmware - v1.0.2.4
5. GPIO Expander Firmware - v1.0.2.4
6. DIALOG™ 20 Firmware - RXM: 1.7.4, RXS: 1.4.5, MUX: 2.6, TX: 1.2.8

New Products

GPIO Expander Unit

New Features Added

1. Long Distance P-Link Mode for Beamforming Microphone Array 2 (see cable and power requirements)
2. Support for up to 6 Beamforming Microphone Array 2's on one P-Link chain (see requirements)
3. Additional feature support in Dialog 20 via P-Link

Bugs Fixed

1. Discovery is removed on the VoIP port
2. VLAN addresses are using the same MAC address as the VoIP port
3. Partitions not activating if they are empty
4. Labels are clipped in the Channel Properties
5. CP2 shows that it has no Gateway when it is set for static and using VLAN
6. Console showing BMA2's using C-Link channels
7. HOOK Enable make no audible changes
8. VoIP TX values change to VoIP Rx in macro commands
9. Enabling FBE on process channel 5-8 cause DSP crash
10. Device names longer than 24 characters cause firmware crash
11. MinSE and Session Expires does not have values above 65535
12. VoIP failing to register when network is changed
13. Having a comma in a file name prevents the pccp2 file from being retrieved
14. Long Macros are cut short when loaded to boxes
15. Downgrading firmware does not default boxes
16. Failed to update live values due to no active partition

17. GATE command does not work with Box labels
18. Disabling VLAN may cause VoIP task to crash
19. BMA2's showing as NA in only one partition setup.
20. VoIP channel labels are not enforcing unique labels
21. USB not passing audio when unplugged and re-plugged multiple times
22. Check for Updates now indicates where the files are being downloaded
23. Setting channel names to NA breaks the channels
24. VOIPUPDATE is preformed after a network change

Known Issues

1. If you are enabling/disabling VLAN you may need to power cycle your units after loading a configuration file.
2. If units are at default they will reset after the first load of a configuration.

Long Distance P-Link Mode Cable and Power Requirements

1. Up to 3 Beamforming Microphone Array 2's. Cannot have other P-Link devices in the chain--only BMA2's. In long distance mode the total P-Link channel count is reduced from 16 channels down to 3 channels.
2. 650 feet (200 meters) maximum cable length between any two devices. Includes the CP2 and BMA2's.
3. Cable must be CAT6, 550 MHz, 23 awg, solid conductor cable. Do not use copper clad aluminum (CCA).
4. PoE Injector must be a 56V, Mode B/Midspan injector. The PoE must connect to either the first BMA2 or the CP2 with a short CAT6 cable.

Additional Beamforming Microphone Array 2 Requirements

You can connect up to 6 BMA2's on one P-Link chain if you have two CP2 units that support the BMA2. CP2 units that support BMA2's are 128, 128D, 128V, 128VD, 128T, 128TD, 48T, 48V, and 120. For every CP2 unit you can have up to 3 BMA2's with a maximum of up to 6 BMA2's on any one P-Link chain.

RELEASE 10.24.2017

Version Details

1. CONVERGE® Pro 2 Firmware - v4.5.45.0

Bugs Fixed

1. VoIP related
2. GPIO related

RELEASE 10.9.2017

Version Details

1. CONVERGE Pro 2 CONSOLE™ Software - v4.0.33.0
2. CONVERGE Pro 2 Firmware - v4.5.40.0
3. Beamforming Microphone Array 2 Firmware - v1.0.2.11
4. USB Expander Firmware - v1.0.1.12
5. DIALOG™ 20 Firmware - RXM: 1.6.5, RXS: 1.4.1, MUX: 2.3, TX: 1.2.8
6. WS800 & DIALOG 20 Remote Software - v3.1.2.14

New Features Added

1. Conversion works from version 3.x project file to the latest version of CONSOLE Software.
2. User is prompted to upgrade firmware to compatible latest version.
3. Individual Channels in a Group now correctly Ramp in parallel.
4. Improved P-Link Device configuration performance and communications.
5. Improved synchronization between Presets.
6. View logs button added.

7. Custom References now work on all output channels of the CONVERGE Pro 2 (CP2) 012 model.
8. SNMP Traps for Safety Mute and Resets now function.

Project file Conversion Scenarios not supported that cause a warning message:

1. We do not support:
 - pushing a configuration to Firmware (FW) v3.x or older.
 - viewing or changing settings on FW v3.x or older.
2. The user is informed, when connecting to a V3 box that they can save the on-board project and convert it to V4, and to upgrade his device's firmware to the latest, compatible version. Specifically in this release, when using CONSOLE V4 to connect to a system or stack running V3 firmware, the following message is shown: "Project incompatibility. The stack is using an older version of the firmware. Use the Admin area to retrieve the project file and save it to your local drive. To convert the project file, open it, and resave it."

Upgrading from the 3.x release to the new 4.x release:

1. We support:
 - connecting to FW v3.x, retrieving the configuration file, and saving it to the hard drive. The file will still be in v3.x format.
 - opening a v3.x file, and converting it to v4.x format when it is saved to the hard drive. The saved v4.x file can now be pushed to a FW V4 stack.
 - connecting to FW v3.x and updating firmware to v4.5.

RELEASE 9.21.2017

Version Details

1. CONVERGE Pro 2 CONSOLE Software - v4.0.23.3
2. CONVERGE Pro 2 Firmware - v4.5.35.0
3. Beamforming Microphone Array 2 Firmware - v1.0.2.11
4. USB Expander Firmware - v1.0.1.12
5. DIALOG 20 Firmware - MUX 2.3, RXM 1.6.5, TXM 1.3.5, TX 1.2.8, RXS 1.4.1
6. WS800 & DIALOG 20 Remote Software - v3.1.2.11

NOTE: DIALOG 20 firmware and Remote software are not included in CONSOLE software for download. They have to be downloaded separately.

New Products Added

1. CONVERGE Pro 2 48V DSP unit
2. CONVERGE Pro 2 012 DSP unit
3. USB Expander for CONVERGE Pro 2

New Features Added

1. CONVERGE Pro 2 (CP2) VoIP units (128V, 128VD, 48V) can be configured to support up to 5 VoIP Phones. The number of concurrent calls per phone is based on how many are enabled. Refer this table for details.

VoIP Phones Enabled	Maximum Number of Concurrent Calls
1	5
2 (default)	5
3	4
4	3
5	2

2. CP2 48V unit has two Ethernet ports. One port for VoIP and another port for Configuration & Control. Voice traffic can be routed to the Ethernet port or the VoIP port based on configuration.
3. CP2 supports DIALOG 20 Wireless Microphone Receiver as a P-Link device. P-link carries power, audio, control.
4. CONSOLE software has an integrated configuration option for DIALOG 20 Wireless Mic system.

5. CP2 supports changing Telco settings while connected live.
6. CP2 supports changing Gate Group settings while connected live.
7. CP2 supports changing VoIP Phone settings while connected live.
8. CP2 and CONSOLE supports Locate button and LED, now functions during discovery and after connection.
9. CONSOLE software has an integrated log viewer that includes VoIP logs.
10. CONSOLE software provides additional network information (IP Address, MAC, Gateway address) available for Ethernet port.
11. CP2 units across subnets will be discovered, if there is a route in between the subnets AND if the company's IT department allows UDP broadcast OR mDNS broadcasts across the subnets.
12. If a PC running with latest CONSOLE software and firmware is connected with live CP2 units, then it will check and alert if new updates are available for CP2 units.
13. Various bug fixes in both Software and Firmware.

Limitations

1. CONSOLE version 3.x will not discover units with newer 4.x firmware.
2. You cannot use site files created in CONSOLE version 3.x or earlier. If you have an existing system you will need to recreate your site file in CONSOLE version 4.0.23.3.
3. New products CP2 48V, CP2 012, USB Expander and DIALOG 20 require CONSOLE v.4.0.23.3 or later.
4. New products 48V and 012 require firmware version 4.5.x.x. They cannot be downgraded to version 3.x.
5. The new VoIP units with the dedicated VoIP port can only have one gateway address and one set of DNS addresses. If using the VoIP LAN, then the Gateway and DNS are derived from the VoIP LAN settings.
6. FlowView™ may not draw lines correctly on the first view.
7. Not more than 3 units of same peripheral devices can be connected in the same P-link chain. For example, 4 BFM2 units can't be connected in the same P-link chain even if 2 applicable CP2 units are connected through C-link.
8. DIALOG 20 Receiver must be upgraded to its latest firmware using Remote Software application. At this time, CP2 P-link does not support Firmware upgrade for DIALOG 20 Receiver.
9. DIALOG 20 firmware and Remote software are not included in CONSOLE software for download. They have to be downloaded separately.
10. CONSOLE software does not provide narrowband mode for DIALOG 20. Only Wideband mode is supported.

Firmware Upgrade

1. Upgrade all CONVERGE Pro 2 units in your stack to v4.5.35.0 or later. Any units with firmware version 2.0.4.0 must be upgraded without any v3.x firmware or v4.x firmware connected.
2. Upgrade all Beamforming Microphone Array 2 units to v1.0.2.11 or later.
3. Upgrade all USB Expander units to v1.0.1.12 or later.
4. Upgrade all DIALOG 20 units to the latest firmware. At this time DIALOG 20 upgrades must be done via USB using the WS800 & DIALOG 20 Remote Software.

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