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These release notes describe the changes between Exigo-1.2.3.14 and Exigo-1.3.3.0.

Summary

Software collection file	EXIGO-1.3.3.0.zip
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Software included in EXIGO-1.3.3.0.zip

Product	Version	Product description
VSF-Turbine	PA.4.8.3.0	Firmware for the following devices: ESC1(Secondary System Controller), ENA2200, ENA2400, ECPIR-3P, ECPIR-P, EAPIR-8, EAPFX-1, EAPFX-6, EAPII-1, EAPII-6, TKIS-2, TKIE-2
AlphaSys Firmware	12.4.3.0	Firmware for the ESC1 (Primary System Controller/AMC-IP board)
VS-EMT	1.3.3.0	Configuration tool, installed on a Windows PC
VSF-Inca	02.20.3.11	Special Exigo software for the CRM-V based panel
VS-DEVICE-MIB	201610190000Z	SNMP MIB for Exigo EXI-Devices, for upload in 3rd-party SNMP based monitoring tools

For upgrade procedures see ExigoWiki.

Highlights

High quality audio support (AL-3230)

- Each device have a setting for Audio Quality Mode: "Voice "or "HD Audio"
- Voice: Best quality codec is G.722 (up to 7.8 kHz)
- HD Audio: Best quality codec is 48kHz PCM (up to 20kHz)
- For new projects, "HD Audio" will be default for the project.
- Voice mode can be used when audio quality is not critical and bandwidth should be limited.
- Amplifiers and IP speakers with different modes can be freely mixed, but will use the best audio codec supported by all devices.
- Audio events can be forced to use a different best-effort codec.

Advanced Program Control (AL-2641):

- Two separate functions is made for Advanced Program Control as part of the Background Music solution: Volume control and Advanced Audio Program Control

Volume Control:

- Function for increasing or decreasing volume in a zone or on an audio channel in one or more zones.

Advanced Program Control:

- Function for stepping through a list of pre-defined audio programs.
- Program Sequences are defined in the "System" view of EMT
- Can step both ways and disable rollover, useful for an "up/down" configuration.
- Stepping to the start of the sequence will turn of the audio program in the zones.

Always include specific zone(s) with dynamic zone selection (AL-3023)

- "Always include" field is available under advanced options for all types of call types (Alarm, Message, Program, Live Speech).
- This is used together with dynamic zone selection to ensure that some critical zones are always part of the audio activity regardless of zone selection.
- An "Auto Select" flag next to the field to indicate if the field should be an "auto zone select" or not. If "Auto zone select" is not selected it means that when the button is pressed and no zone is selected with zone select the call will not start.

AGA board support (AL-2777):

- It is possible to add an AGA board with 12 Audio lines to the ESC1 configuration.
- Each audio line can be separately configured to either be an audio input or audio output.

Backup amplifier support (AL-100):

- Backup amplifier is now supported
- One backup amplifier can support up to 6 amplifiers using the internal relays
- 6 Optional priority levels between the amplifiers are available.
 - Amplifiers with same priority will be first come first serve.
- Blue In-Command led will be lit when backup amplifier have taken over another amplifier.

ExigoNet for multiple Exigo systems connected (AL-2754)

- ExigoNet allows connecting two or more Exigo Systems together through SIP integration.

Cluster zones (AL-1799):

- Cluster zones are zones, which contains other zones.

- Cluster zones are not allowed by default, but can be enabled from EMT in advanced settings.
- Control outputs will only trigger on the top level zone.
- Audio activities should just be sent to the top level zones, not the zones used inside other zones.

IP speakers available in Exigo mode (AL-52)

- IP speakers can now be added to the Exigo system
- 200 IP speakers supported in each Exigo system

TKIE-2 kit supported (AL-83):

- TKIE-2 kit supported in Exigo
- Mic input, line input, analog output and amplifier output can be used independently.
- Monitoring of Ethernet connections available
- TA-10 module supported

Voice Activity detection / Audio Activity detection (AL-3301):

- VAD can be used on any audio input to trigger an Exigo function

ENA2400-AC support added (AL-3015)

Improvements

Access panels can be a destination (AL-3001, AL-2900):

- All access panels can be put into a zone or included as a destination for input actions.
- This can be combined with remote microphone activation to do remote checking of microphones without activating the remote station.

Audio Programs can be used as source for Recall (AL-1204)

Recall record timeout available (AL-2300)

- Recall messages removed from system if unused after timeout

Audio feedback is now selectable on Live speech (AL-1626)

Automatic Gain Control available on all audio inputs (AL-24)

- Four different AGC presets and custom settings are available

Digital muting of all audio output channels available (AL-1372):

- All audio lines can now be digitally muted by adding an output function to the audio line itself.
- Useful function for ip speakers which do not have a physical mute connection in the speaker itself.

Multiple AlphaComs for integration (AL-2813):

- Multiple AlphaCom systems can be connected to each Exigo system.

Description field of LET will be displayed in error message on ESC1 (AL-3031, AL-2149)

New Line Monitoring Option - Detailed Line Fault Reporting (AL-2592):

- Line faults will now default be reported as "line fault"
- Checking the "detailed line fault reporting" will enable separate reporting of 'open' and 'shorted'.

Monitoring of speaker loop is paused during activity and for 60 seconds after activity to prevent false errors (AL-2577, AL-72)

Hostname support on SIP/AlphaCom trunks (AL-2013):

- SIP Trunks and AlphaCom can be configured with either IP address or Hostname
- Hostname needs additional settings to be configured in PSC

SIP Trunk Optional Monitoring (AL-2703):

- SIP trunks can now be monitored.
- Un-monitored SIP trunks will be reported as unknown in GUI and database.

Outgoing sip connections can be configured to be called from both AB controllers (AL-2535, AL-2534, AL-2628):

- Outgoing sip calls can be configured to be called from either A or B or both controllers in an AB system

Multiple Escalation Function per button (AL-1960):

- Multiple Escalation IDs can be assigned each call.
- Last escalation activated will be the active escalation; overlapping functionality must be handled in configuration.

Fault list control in SDK/API (AL-2618, AL-1406):

- Functions for acknowledging and resetting the fault list available.
- Buzzer and GUI on ESC1 will correctly update.

New "General Audio" type of audio program (AL-3127)

- Flag under audio program function
- "General audio" indicates that the audio is not used for background music and it should therefore not be affected by Volume Control actions.

New On interrupt option; Mute all (AL-2326):

- The "Mute All" option will queue all zones of the call if one or more zones are interrupted.

Automatic backup of databases when opening database in EMT (AL-2504):

- When an old database is opened in EMT, an unchanged backup-file is created with the version number of the EMT originally used to generate the database.

New Source setting in the Live Speech input action (AL-2734):

- The Source setting (available under "Advanced options") allows to get audio from a remote panel or audio input line

EMT Add multiple devices at the same time (AL-2003)

EMT system pane allows global configuration of device settings (AL-773)

EMT backup of database (AL-229):

- It is now possible to take backup of the EMT database from EMT into a zip file

EMT can download database from B-controller in case A-controller is unresponsive in an AB system (AL-1352)

EMT multiple installations (AL-2502)

- Different versions of EMT can be installed at the same time
- Project folder is separated into the different versions

EMT operation view for remote configuration available (AL-1761):

- Configure IP settings of devices from EMT
- Automatically set directory number of remote device

EMT will in the "projects view" show version number (AL-2288):

- Version number indicate which version the database was made in or which EMT downloaded the database from a system.

EMT will indicate that there is some configuration on a button or control input with a small start next to the input (AL-1278)

EMT will now check for unused directory numbers when adding new devices (AL-1350)

EMT multiple devices can be dragged and dropped into a zone (AL-1903)

Solved Issues

Access panels removed from configuration will be disconnected properly (AL-2177)

All rack devices will now update clock in GUI correctly if NTP server is changes (MTN-1258)

Control Output activities can now set if it should continue to toggle if the event is queued, in call or any. (AL-2652)

Fault led on access panels would in certain cases stop working (MTN-1026).

ESC1 power temperatures are now correctly reported to SNMP MIB (AL-2934)

GUI will now show correct audio activity, even if there is an active line fault (AL-2725)

Local mute functions will no longer trigger zone activity (AL-2119)

Local mute now correctly trigger suspend monitoring, preventing some situations with false errors. (MTN-1252)

Factory resetting an EX device will give correct warning related to flowire (AL-2824):

- "Flowire settings factory reset, NMK reset to: HomePlugAV0123" will be shown in WEB when resetting the station.
- Flowire settings of the station itself will also be factory reset

EMT handling of special-characters in names and descriptions (AL-2655):

- Allowed characters are:
 - a-z and æøå (both upper and lower case)
 - 0-9
 - <space>, - (hyphen), _ (underscore) and . (dot)

EMT: The 'Split Queue' option on the On Busy field is no longer available (AL-2323)

EMT comments retrieval (AL-2941):

- Comments made for the project (in the Projects list) is now saved in the database.
- The 'Get' operation will also retrieve project comments.

Known issues

Changing SIP trunk settings require factory default (AL-2801)

Slow initiation of call if SIP station is calling itself through Exigo (AL-2716)

All devices are reported missing on the first upload of configuration (AL-2453)

Newly added devices to the system will generate a missing device before it is connected the first time (AL-1888)

Menu will not time out if something is selected in GUI (AL-461)

Clear all activity will not work on tick tones (AL-2160)

Double pressing live speech button will skip chime (AL-2002)

Certain microphones connected to microphone input on amplifiers will get a low noise (AL-1268)