MANALOG WAY®

FIRMWARE RELEASE NOTE

| Products | RCU300 |
|----------|-----------------------------|
| Date | May 28 th , 2018 |
| Version | 1.01.02 |

The version (s) indicated here above has (have) been tested and validated by the Technical Support Department.

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Technical Notes:

- ► Important:
 - It is highly recommended that you first update your LiveCore[™] device(s) with the latest firmware available (v4.02.39 or above).

New features:

• Ability to automatically reload the last session at startup: the RCU-300 automatically logs the last user in, loads the last Show, and loads the last Iteration on boot. To enable this feature, please go to the Auto Load tab in the System Settings menu.

| • | About | Time | Network | Auto Load | IPP Server | Matrix Library | Ext. Dev. Library | Firmware | * |
|------------|-------|-------------------|-------------|--------------|------------|----------------|-------------------|--------------------------|------------------------------|
| | | | | | | | | | |
| | | | | Auto loading | Disabled | | | | |
| | | | | | | | | | |
| | EDIT | EDIT AUTO LOAD CO | NFIGURATION | | | | | | |
| | | Auto load | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
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| | | | | | | | | | |
| , u | | | | | | ſ | i o 🛕 o | A 0 ₂₀ | 11:51 18 / 04 / 18 |

Improvements:

- Add a matrix descriptor to be able to control a LiveCore unit as a matrix.
- In the Source/Map menu, **quick naming of Native/Standard sources** using the name of one of the streams mapped into it.

| + | Iteration | Assembly | Screen | Scene | Source | Image | Confidence | Monitoring | Preset | Macro | Sequence | \$ |
|---|-------------|---------------------------------|--------------|--|-----------------|---------------------|------------------|------------------|----------------|---------------|----------|-------|
| | | Source #1 #2 | Source #3 | Source ∦4 ∦5 | Source So #6 | purce \$7 \$8 | Source #9 #10 | e Source \$11 | Source #12 | Page 1/20 | | |
| | | | | | , | Native Standar | rd | | | | | |
| = | MAP | MAP SOUR | CE | | | | | | | | TF | PP #1 |
| | | Left | Ble | nd R | light | | | | | | | |
| | | | | | | | | Filter | ive Fra | ame Logo | Matrix | |
| | | | | - | | | | Stream | Live #1 | Input #1 HDMI | · / | Name |
| | | LIVE Live #1 Input #1 HDN | II Input #1 | | | | | | | | | |
| + | Iteration | Assembly | Screen | Scene | Source | Image | Confidence | Monitoring | Preset | Macro | Sequence | \$ |
| | | Native #1 | | | | | | | < | Page 1/20 | | |
| | | | | | • | Native Standar | rd | | | | | |
| (| CREATE | | E SOURCE | | | | | | | | TF | P#1 |
| | EDIT MAP | | Blei | nd R | light | | | | | | | |
| | DELETE | | | | | | | Native Str | eam Native Str | eam #1 | | Name |
| | | Native Stream | n #1 Nor | ne in the second se | | | | | | | | |

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• Reset of the stream's snapshot to the default icon: simply delete the snapshot.

| tteration | Assembly Scree | en Scene | Source | Image | Confidence | Monitoring | Preset | Macro | Sequence | \$ |
|---------------|----------------------|---------------|--------|-------|------------|------------|--------|-------|----------|----|
| | | | | | | | | | | |
| Assembly #1 A | ssembly #2 | | | | | | | | | |
| N3U3204 | A304000 | | | | | | | | | |
| ASPECT | CROPPING SETTING | 35 | | | | | | | | |
| CROP | Live #1 | Input #1 HDMI | | | * * | o I | | | | C |
| FILTER | STANDARD | | | | CUSTO | | | | | |
| OPTIMIZE | Predefined Crop None | • | | | 🕶 Тор – | | _ | | | |
| | Crop Finder | | | | Bottom - | | _ | _ | | |
| | | | | | Left - | | _ | _ | | , |
| | | | | | Right - | | _ | | • | |
| | | | | | | | | | | |

• New "Create & Edit Actions" option the Macro editor.

| + | Iteration | Assembly | Screen | Scene | Source | Image | Confidence | Monitoring | Preset | Macro | Sequence | \$ |
|---|-----------|----------|--------|-------|--------|----------------------|--------------|------------|-------------|------------|----------|-------|
| | | | | | | | Page 1/10 | | | | | |
| | CREATE | CREATE | MACRO | | | | | | | | TF | PP #0 |
| | EDIT | | | | | | | | | | | |
| | ACTION | | | | | | | | | | | |
| I | DELETE | Name Mac | ro #1 | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | Creat | e | | | | Create & Ed | it Actions | | |

• New "Create & Map" option the Source editor.

| + | Iteration | Assembly | Screen | Scene | Source | Image | Confidence | Monitoring | Preset | Macro | Sequence 🙀 |
|---|-----------|------------------|------------------------|-------------------|-----------------|---------------------|------------|------------|--------|--------------|------------|
| | | Source So ≢13 | urce Source #14 #15 | Source #16 #17 | Source S #18 | Source \$19 \$20 | | | < | Page 2/20 | |
| | | | | | | Native Stan | lard | | | | |
| | CREATE | CREAT | E SOURCE | | | | | | | | TPP #21 |
| | EDIT | | | | | | | | | | |
| | MAP | | | | | | | | | | |
| | DELETE | Name So | urce #21 | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | Create | | | | | Create | & Map | |

- In the Create/Edit/Delete menus of the Macro and Source editors, display the slot number of the selected item.
- **Copy of streams from another assembly**: in the Assembly/Stream/Quick menu, it is possible to copy the streams from another assembly.

| tteration | Assembly Scree | en Scene | Source | Image | Confidence | Monitoring | Preset | Macro | Sequence | \$ |
|---------------------------|----------------------|----------|------------------------------|-------|------------|------------|-------------|--------|----------|----------------------------|
| | | | | | | | | | | |
| Assembly #1 | | | | | | | | | | |
| ASU4800 | | | | | | | | | | |
| STREAM | COPY STREAMS | | | | | | | | | |
| | Filter | Live | F | rame | | Logo | | Matrix | | |
| | From Assembly | | | | | | | | | - |
| COPY FROM | Vith Snapshots | | | | | | | | | |
| JELE IL | Vith Source Mappings | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| User #1 Show #2 006 | Q K ► | | Selection Cue Player Idle | | | | () 0 | 0 | | 6:18 3 / 04 / 18 |

| | Assembly Screen Scene Source Im | nage Confidence Monitoring Preset | Macro Sequence 🌞 |
|----------------|---|-----------------------------------|-------------------------------|
| | | | |
| | | lend Right [Assembly #1] | |
| | | | |
| | | EDIT CONNECTION | EDIT HANDSHAKING |
| CREATE | Matrix #1 [Lightware / Generic v2.0] 192.* | 168.1.2 Protocol TCP | Disable |
| EDIT | | Remote IP Address 192.168.1.2 | Fault Tolerance - 0 + |
| NETWORK | | Remote Port 10500 | |
| DELETE | | | |
| | | | |
| | | Apply | |
| User #1 | Selection Cue Stack 1 | | |
| Show #2 002 | Player Idle | i 0 | 0 0 0 18:08 2018 / 04 / 25 |
| | Assembly Screen Scene Source Im | nage Confidence Monitoring Preset | Macro Sequence 🌞 |
| | | | |
| | Left Bl | lend Right | |
| | [Assembly #1] [Asse | embly #1] [Assembly #1] | |
| | | | |
| | EXTERNAL DEVICE NETWORK | EDIT CONNECTION | EDIT HANDSHAKING |
| CREATE | External Device #1 [Analog Way / Midra Series v1.0] 192.1 | 68.1.40 Protocol TCP | Disable |
| EDIT | | Remote IP Address 192.168.1.40 | Fault Tolerance - 0 + |
| NETWORK | | Remote Port 10500 | |
| DELETE | | | |
| | | | |
| | | Apply | |
| User #1 | | | |
| Show #2 002 | Selection Cue Stack 1 Player Idle | i • | 0 0 18:10 2018 / 04 / 25 |

• Configuration of the handshaking options per Matrix / External Device.

- New functions implemented in the Third-Party Protocol (TPP):
 - Configuration of the next transition's duration
 - Configuration of the Preset Toggle option.
- Support of Purelink PM routers: a new matrix descriptor is available.
- Support of the piXtimer pro application: a new external device descriptor is available.
- **Improvement of the log files**: a readable date-time stamp is regularly added in the log files for troubleshooting.

Bug fixes:

- In the Assembly Editor, menu Stream/Matrix, the list of streams is not updated when the input of an existing stream is changed.
- The preset loaded on the Preview is not reconfigured properly after changing parameters of the scene (size, number of layers, change of region's position...).

PREVIOUS VERSIONS

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| Products | RCU300 |
|----------|---------------------|
| Date | December 19th, 2017 |
| Version | 1.00.14 |

The version (s) indicated here above has (have) been tested and validated by the Technical Support Department.

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Technical Notes:

► Important:

• It is highly recommended that you first update your LiveCore[™] device(s) with the latest firmware available (v4.02.39 or above).

New features:

None

Improvements:

None

Bug fixes:

- When several screens made of outputs from synchronized units are used in a single scene, a flash might be displayed on the Program at the end of a Take Cut transition.
- When several devices are used in multiple scenes, a flash might be displayed on the Program at the end of a transition.
- When using a synchronized assembly, it is not possible to select Program / Preview #3 to #8 in a monitoring / confidence widget.

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| Products | RUC300 |
|----------|---------------------|
| Date | November 13th, 2017 |
| Version | 1.00.12 |

The version (s) indicated here above has (have) been tested and validated by the Technical Support Department.

Technical Notes:

► Important:

• It is highly recommended that you first update your LiveCore[™] device(s) with the latest firmware available (v4.02.39 or above).

New features:

• None

Improvements:

• None

Bug fixes:

- When all matrix links are used on Program, switching to a new matrix stream by taking the Preview will not work (PIP missing)
- In the Assembly Editor, In & Out / Monitoring menu, the timing filter is not working on a newly created Assembly
- In the Assembly Editor, In & Out / Monitoring menu, the status "no signal detected" is displayed when using the default configuration
- Sometimes, the second network adapter is not configured properly after booting (red status)

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| Products | RUC300 |
|----------|----------------|
| Date | October4, 2017 |
| Version | 1.00.11 |

The version (s) indicated here above has (have) been tested and validated by the Technical Support Department.

Technical Notes:

- ► Important:
 - It is highly recommended that you first update your LiveCore[™] device(s) with the latest firmware available (v4.02.39 or above).

INITIAL RELEASE