Previous TF5/3/1 TF-RACK Firmware version information

V4.55

Changes (V4.55)

- Now supports NY64-D cards produced with the Brooklyn3 Dante module provided by Audinate.

What's New (V4.55)

- The output level of the built-in oscillator PINK NOISE and BURST mode has been increased by approximately 10dB.

Additional Functions (V4.50-2)

- Updated NY64-D Dante firmware. Firmware for TF consoles and TF-RACK remains unchanged from V4.50.
    - Solved a rare problem in which NY64-D interfered with TCP communication of other networked devices when used together with a DHCP server and those devices were rebooted.
    - Added support for SMPTE mode* (ST2110-30 clocking) in Dante Domain Manager (DDM). Please note, once a Dante device is enrolled in DDM, various device settings cannot be altered, including Word Clock, Preferred Leader and Latency

settings. To alter such setting using the console, the Dante device must first be un-enrolled from the Domain and then use Dante Controller to 'Clear Domain Credentials'

*With SMPTE mode enabled in DDM, the domain is configured for SMPTE ST2110-30 clocking, enabling audio interoperability between Dante and non-Dante SMPTE devices.

- o NY64-D Dante firmware is updated to 4.2.4.1 - 4.0.5.2 - 3.1.0. This can be confirmed in Dante Controller.

Note

- Since the firmware itself of TF consoles and TF-RACK remains unchanged from V4.50, In the case that TF firmware is already V4.50, TF does not need to be updated additionally.

Additional Functions (V4.50)

- Added Audix mic presets to the QuickPro Presets for the Channel Library.

  After updating the TF device to this version, execute "Initialize All Memory" to add these to the library list.

Specification Changes (V4.50)

- USB outputs 1 / 2 of the USB TO HOST terminal can now be sourced from STEREO L / R and MATRIX Output channels, in addition to Ch1 / 2 Direct Out. This selection can be made via the [Setup>Preferences>Others] menu. This gives TF devices the flexibility to easily interface with live streaming and teleconference applications via USB.

Fixed bugs (V4.50)

- Solved a problem in which the [TOUCH AND TURN] encoder might behave as if pressed and rotated when rotating the encoder at high speed.

Fixed Bugs (V4.02)

- Solved the problem in which the recall safe status would not be updated when loading a settings file (.TFF file) to version 4.00/4.01 of the TF5/F3/TF1/TF-RACK or version 4.00 of the TF Editor.

Fixed Bugs (V4.01)

- Solved the problem in which tapping on the [TAP] key of TF-RACK does not set a delay time for any effects.

Additional Functions (V4.00)

- The Selected Channel section has been added to the OVERVIEW screen, allowing you to edit sounds for each channel in a single screen. To display the Selected Channel section, set the "Selected Channel" of the [HOME] key function in the PREFERENCE screen to ON.
- Added the FADE TIME function for Scene.

  Though the TF5/TF3/TF1's faders and screen operation during Scene recall may not follow the internal parameters properly, the actual sound output (level) correctly follows the internal parameters.

- Added MUTE GROUP 3 to MUTE GROUP 6 to which channels are freely assignable. To assign channels, use the MUTE GROUP ASSIGN screen of the SETUP screen, or the ASSIGN screen of each channel.

- The "ON" and "Fader" parameters for the recall safe function can now be set individually.

- Added Copy/Paste to the menu of the SEND FROM screen, to copy/paste the SEND level for the AUX/MATRIX/SUB channels.

- Added CH Copy with Sends/CH Paste with Sends to the menu of the AUX/MATRIX/SUB channels.

- Added the Group Bypass function to the AUTOMIXER screen.

- Added the following functions to the PREFERENCE screen.

  - Added the [SEND SEL]>[CUE] Link option to the Auto Channel Select section. Set it to OFF to disable the previous function, which interlocks the SENDS ON FADER key selection and the Send master CUE.

  - Added the Key Function section.

  - Added the "Selected Channel" option to the [HOME] Key.

- Added assignable functions to the USER DEFINED KEYS and the FOOT SWITCH.

  - Group Bypass and Channel ON/OFF for the Automixer

  - MUTE GROUP 3 to MUTE GROUP 6 for the Mute Master

- Added the Channel Delay function to the ST IN 1/2 channels.

- Added the Mute control for the DZR-D series/DXS-XLF-D series connected by the Quick Config function to the SLOT SETUP screen. To use this function, use the DZR-D series/DXS-XLF-D series version 1.1.2 or later. In addition, update all the TF series connected to the same Dante network to version 4.00 or later.

- Added the function in which pressing and holding the [SHIFT] key sets the gain of the selected band to nominal (0.0 dB) in the EQ and GEQ.

- Added the function which switches the operation target of the [TOUCH AND TURN] knob between the Gain and Frequency in the GEQ. To switch the target, press the [SHIFT] key or press the [TOUCH AND TURN] knob.

- Added new Presets to the Channel Library. Also, some previous Presets have been modified.

  To enable the new Presets, execute "Initialize All Memory" after updating.

Specification Changes (V4.00)

- Changed the top panel's [ON] key operation when the Mute Group Master is ON.

- In the RECORDER screen, changed the limitation for the number of audio files in a folder to 150 files. If existing files (including folders) total more than 150, files and folders exceeding the number are not displayed in the list. Make sure to divide folders so that each contains within 150 files.

Known Issues

- If multiple Dante devices are connected to the same network, a message "Wrong Word Clock Error (Dante Device)" may occasionally be displayed when the TF series starts up. In this case, restart the TF series or the entire system before use.

- When using a DZR-D series powered speaker system/DXS-XLF-D series powered subwoofer system and the TF series are connected, if the unit ID of the DZR-D series/DXS-XLF-D series has been changed some times, they may not be displayed on the TF series'

screen. This issue can be solved by rebooting the DZR-D series/DXS-XLF-D series or the TF series.

- When turning the TF series on or updating the firmware, noise may occur on the Dante network for an instant. To avoid this issue, turn the TF series on first, and then turn on the power amps/powered speakers.

- When a Transmit channel of NY64-D has a channel label, the following issues may occur:

  o A message "Dante Setting Error! Please Restart the Console" may appear when connecting to the DDM server, or when changing the FS setting.

  o The TF series may not be able to recognize the device when repeating the participation and non-participation of the DDM domain.

  These issues can be solved by rebooting the TF series.

- If the Dante network has many devices, the TF series may be unable to find devices when all devices are turned ON simultaneously. The TF series will be able to find devices after the console is rebooted.

Operational precaution

- When the NETWORK connector of a TF series is connected to a Dante network with many flows, changing the network settings in the NETWORK screen or pressing the Refresh button may result in the TF screen freezing. Do not connect a Dante network to the NETWORK connector of a TF series. Rebooting the TF series restores it to the normal state.

V4.50-2

Additional Functions (V4.50-2)

- Updated NY64-D Dante firmware. Firmware for TF consoles and TF-RACK remains unchanged from V4.50.

    - Solved a rare problem in which NY64-D interfered with TCP communication of other networked devices when used together with a DHCP server and those devices were rebooted.

    - Added support for SMPTE mode* (ST2110-30 clocking) in Dante Domain Manager (DDM). Please note, once a Dante device is enrolled in DDM, various device settings cannot be altered, including Word Clock, Preferred Leader and Latency settings. To alter such setting using the console, the Dante device must first be un-enrolled from the Domain and then use Dante Controller to 'Clear Domain Credentials'

    *With SMPTE mode enabled in DDM, the domain is configured for SMPTE ST2110-30 clocking, enabling audio interoperability between Dante and non-Dante SMPTE devices.

    - NY64-D Dante firmware is updated to 4.2.4.1 - 4.0.5.2 - 3.1.0. This can be confirmed in Dante Controller.

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  and MATRIX Output channels, in addition to Ch1 / 2 Direct Out. This selection can be made

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  the TF Editor.

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- Solved the problem in which tapping on the [TAP] key of TF-RACK does not set a delay time

  for any effects.

Additional Functions (V4.00)

- The Selected Channel section has been added to the OVERVIEW screen, allowing you to edit sounds for each channel in a single screen. To display the Selected Channel section, set the "Selected Channel" of the [HOME] key function in the PREFERENCE screen to ON.

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- Added Copy/Paste to the menu of the SEND FROM screen, to copy/paste the SEND level for the AUX/MATRIX/SUB channels.

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- Added the Channel Delay function to the ST IN 1/2 channels.

- Added the Mute control for the DZR-D series/DXS-XLF-D series connected by the Quick Config function to the SLOT SETUP screen. To use this function, use the DZR-D series/DXS-XLF-D series version 1.1.2 or later. In addition, update all the TF series connected to the same Dante network to version 4.00 or later.

- Added the function in which pressing and holding the [SHIFT] key sets the gain of the selected band to nominal (0.0 dB) in the EQ and GEQ.

- Added the function which switches the operation target of the [TOUCH AND TURN] knob between the Gain and Frequency in the GEQ. To switch the target, press the [SHIFT] key or press the [TOUCH AND TURN] knob.

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- Changed the top panel's [ON] key operation when the Mute Group Master is ON.

- In the RECORDER screen, changed the limitation for the number of audio files in a folder to 150 files. If existing files (including folders) total more than 150, files and folders exceeding the number are not displayed in the list. Make sure to divide folders so that each contains within 150 files.

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- When a Transmit channel of NY64-D has a channel label, the following issues may occur:

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  o The TF series may not be able to recognize the device when repeating the participation and non-participation of the DDM domain.

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Operational precaution

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V4.50

Additional Functions (V4.50)

- Added Audix mic presets to the QuickPro Presets for the Channel Library.

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  the library list.

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- USB outputs 1 / 2 of the USB TO HOST terminal can now be sourced from STEREO L / R

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  and rotated when rotating the encoder at high speed.

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- Solved the problem in which the recall safe status would not be updated when loading a settings file (.TFF file) to version 4.00/4.01 of the TF5/F3/TF1/TF-RACK or version 4.00 of the TF Editor.

Fixed Bugs (V4.01)

- Solved the problem in which tapping on the [TAP] key of TF-RACK does not set a delay time for any effects.

Additional Functions (V4.00)

- The Selected Channel section has been added to the OVERVIEW screen, allowing you to edit sounds for each channel in a single screen. To display the Selected Channel section, set the "Selected Channel" of the [HOME] key function in the PREFERENCE screen to ON.
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  Though the TF5/TF3/TF1's faders and screen operation during Scene recall may not follow the internal parameters properly, the actual sound output (level) correctly follows the internal parameters.
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- Added the function in which pressing and holding the [SHIFT] key sets the gain of the selected band to nominal (0.0 dB) in the EQ and GEQ.

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- Changed the top panel's [ON] key operation when the Mute Group Master is ON.

- In the RECORDER screen, changed the limitation for the number of audio files in a folder to 150 files. If existing files (including folders) total more than 150, files and folders exceeding the number are not displayed in the list. Make sure to divide folders so that each contains within 150 files.

Known Issues (V4.00)

- When using a DZR-D series powered speaker system/DXS-XLF-D series powered subwoofer system and the TF series are connected, if the unit ID of the DZR-D series/DXS-XLF-D series has been changed some times, they may not be displayed on the TF series' screen. This issue can be solved by rebooting the DZR-D series/DXS-XLF-D series or the TF series.

- When turning the TF series on or updating the firmware, noise may occur on the Dante network for an instant. To avoid this issue, turn the TF series on first, and then turn on the power amps/powered speakers.

- When a Transmit channel of NY64-D has a channel label, the following issues may occur:
  - A message "Dante Setting Error! Please Restart the Console" may appear when connecting to the DDM server, or when changing the FS setting.
  - The TF series may not be able to recognize the device when repeating the participation and non-participation of the DDM domain.

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- If the Dante network has many devices, the TF series may be unable to find devices when all devices are turned ON simultaneously. The TF series will be able to find devices after the console is rebooted.

Operational precaution

- When the NETWORK connector of a TF series is connected to a Dante network with many flows, changing the network settings in the NETWORK screen or pressing the Refresh button may result in the TF screen freezing. Do not connect a Dante network to the NETWORK connector of a TF series. Rebooting the TF series restores it to the normal state.

V4.02

Fixed Bugs (V4.02)

- Solved the problem in which the recall safe status would not be updated when loading a settings file (.TFF file) to version 4.00/4.01 of the TF5/F3/TF1/TF-RACK or version 4.00 of the TF Editor.

Fixed Bugs (V4.01)

- Solved the problem in which tapping on the [TAP] key of TF-RACK does not set a delay time for any effects.

Additional Functions (V4.00)

- The Selected Channel section has been added to the OVERVIEW screen, allowing you to edit sounds for each channel in a single screen. To display the Selected Channel section, set the "Selected Channel" of the [HOME] key function in the PREFERENCE screen to ON.

- Added the FADE TIME function for Scene.

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- MUTE GROUP 3 to MUTE GROUP 6 for the Mute Master

- Added the Channel Delay function to the ST IN 1/2 channels.

- Added the Mute control for the DZR-D series/DXS-XLF-D series connected by the Quick Config function to the SLOT SETUP screen. To use this function, use the DZR-D series/DXS-XLF-D series version 1.1.2 or later. In addition, update all the TF series connected to the same Dante network to version 4.00 or later.

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Known Issues (V4.00)

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- When turning the TF series on or updating the firmware, noise may occur on the Dante network for an instant. To avoid this issue, turn the TF series on first, and then turn on the power amps/powered speakers.

- When a Transmit channel of NY64-D has a channel label, the following issues may occur:

  - A message "Dante Setting Error! Please Restart the Console" may appear when connecting to the DDM server, or when changing the FS setting.

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Operational precaution

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V4.01

Fixed Bugs (V4.01)

- Solved the problem in which tapping on the [TAP] key of TF-RACK does not set a delay time for any effects.

Additional Functions (V4.00)

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- Added the Group Bypass function to the AUTOMIXER screen.

- Added the following functions to the PREFERENCE screen.

  - Added the [SEND SEL]>[CUE] Link option to the Auto Channel Select section. Set it to OFF to disable the previous function, which interlocks the SENDS ON FADER key selection and the Send master CUE.

  - Added the Key Function section.

  - Added the "Selected Channel" option to the [HOME] Key.

- Added assignable functions to the USER DEFINED KEYS and the FOOT SWITCH.

  - Group Bypass and Channel ON/OFF for the Automixer

  - MUTE GROUP 3 to MUTE GROUP 6 for the Mute Master

- Added the Channel Delay function to the ST IN 1/2 channels.

- Added the Mute control for the DZR-D series/DXS-XLF-D series connected by the Quick Config function to the SLOT SETUP screen. To use this function, use the DZR-D series/DXS-XLF-D series version 1.1.2 or later. In addition, update all the TF series connected to the same Dante network to version 4.0.

- Added the function in which pressing and holding the [SHIFT] key sets the gain of the selected band to nominal (0.0 dB) in the EQ and GEQ.

- Added the function which switches the operation target of the [TOUCH AND TURN] knob between the Gain and Frequency in the GEQ. To switch the target, press the [SHIFT] key or press the [TOUCH AND TURN] knob.

- Added new Presets to the Channel Library. Also, some previous Presets have been modified.

  To enable the new Presets, execute "Initialize All Memory" after updating.

Specification Changes (V4.00)

- Changed the top panel's [ON] key operation when the Mute Group Master is ON.

- In the RECORDER screen, changed the limitation for the number of audio files in a folder to 150 files. If existing files (including folders) total more than 150, files and folders exceeding the number are not displayed in the list. Make sure to divide folders so that each contains within 150 files.

Known Issues (V4.00)

- Regarding the V4.00 version of TF-RACK, tapping on the [TAP] key does not set a delay time for any effects. This issue will be fixed in a later version.

- When using a DZR-D series powered speaker system/DXS-XLF-D series powered subwoofer system and the TF series are connected, if the unit ID of the DZR-D series/DXS-XLF-D series has been changed some times, they may not be displayed on the TF series' screen. This issue can be solved by rebooting the DZR-D series/DXS-XLF-D series or the TF series.

- When turning the TF series on or updating the firmware, noise may occur on the Dante network for an instant. To avoid this issue, turn the TF series on first, and then turn on the power amps/powered speakers.

- When a Transmit channel of NY64-D has a channel label, the following issues may occur:
  - A message "Dante Setting Error! Please Restart the Console" may appear when connecting to the DDM server, or when changing the FS setting.
  - The TF series may not be able to recognize the device when repeating the participation and non-participation of the DDM domain.

  These issues can be solved by rebooting the TF series.

- If the Dante network has many devices, the TF series may be unable to find devices when all devices are turned ON simultaneously. The TF series will be able to find devices after the console is rebooted.

Operational precaution

- When the NETWORK connector of a TF series is connected to a Dante network with many flows, changing the network settings in the NETWORK screen or pressing the Refresh button may result in the TF screen freezing. Do not connect a Dante network to the NETWORK connector of a TF series. Rebooting the TF series restores it to the normal state.

V3.60

Fixed bugs (V3.60)

- Solved a problem in which the Receive Channels 63/64 of NY64-D (ST IN2 of TF series) could not be patched when the Quick Config function is ON.

- Solved a problem in which when the AUX channel has been assigned to the Custom Fader Bank with INPUT MUTE set to ON, the ON button of AUX channel assigned to a Custom Fader Bank did not work properly.

- Solved a problem in which when Rio3224-D2/Rio1608-D2 has been connected via a Dante network, a message "Dante Version Mismatch" was incorrectly displayed.

- Solved a problem in which TF cannot control the Head Amp parameters of Tio1608-D if the IP address for TF-series Dante Port (NY64-D) is set to DHCP or static IP, and the octets of the subnet mask are other than 255 or 0 (e.g. 255.255.255.128).

New features (V3.60)

- The Quick Config function now supports Dante-enabled DZR series powered speakers and DXS-XLF series powered subwoofers, allowing you to make Dante connections simply.

- Now supports Dante Domain Manager (DDM).

  When TF series is enrolled in a Dante Domain by Dante Domain Manager, the Quick Config will be turned off.

- Added RTA Offset parameters to the PREFERENCE screen, allowing you to control the sensitivity of RTA in the EQ/GEQ screen.

- User Defined Knobs now supports the RTA Offset parameter.

- Added the Refresh button to the NETWORK screen to re-obtain the IP address from DHCP.

Specification changes (V3.60)

- When the Dante Channel Label of the installed NY64-D is empty, channel numbers of the connected TF series are now automatically assigned to the labels.

- When settings of the installed NY64-D are initialized on the Initialize NY64-D screen, channel numbers of the connected TF series are now automatically assigned to the Dante Channel Label.

- Changed the Scene Store function assigned to a User Defined Key; it works the same as the OK button when the Scene Title Edit window appears.

Known issues (V3.60)

- When turning the TF series on, a noise may occur on the Dante network for an instant. To avoid this issue, turn the TF series on first, and then turn on the power amps/powered speakers.

- When a Transmit channel of NY64-D has a channel label, the following issues may occur:

- A message "Dante Setting Error! Please Restart the Console" may appear when connecting to the DDM server, or when changing the FS setting.

- The TF series may not be able to recognize the device when repeating participation and non-participation of the DDM domain.

These issues will be solved by rebooting the TF series.

- If the Dante network has many devices, the TF series may be unable to find devices when the all devices are turned ON simultaneously. The TF series will be able to find devices after the console is rebooted.

Operational precaution

- When the NETWORK connector of a TF series connected to a Dante network with many flows, changing the network settings in the NETWORK screen or pressing the Refresh button may result in the TF screen freezing. Do not connect a Dante network to the NETWORK connector of a TF series. Rebooting the TF series restores it to the normal state.

V3.51-2

Specification compliance (V3.51-2)

- In order to ensure compatibility with the latest hardware of Dante (NY64-D), the firmware of the NY64-D has been updated to 3.10.32.2 - 4.0.35.1 - 1.3.4. There is no change in the main firmware of the TF series. Therefore, if you are currently using V 3.51 you do not need to update. Please check the compatibility list for version compatibility.

Fixed bug (V3.51)

- Solved a problem (of V3.50) in which if you pressed the SENDS ON FADER key of any AUX bus after pressing a SENDS ON FADER FX1 or FX2 key, the position of the master fader remains at 0dB (nominal), regardless of the actual AUX bus master level.

New features (V3.50)

- Channels 1 – 8 can be used with the Dugan Automixer.
  Scenes saved via the TF series V3.11 or earlier do not include the Automixer parameters. This means that Automixer parameters will not change even such Scenes are recalled.
- Added AUX Send point selection, Pre EQ or Pre Fader, for a channel to which AUX Send is set to Pre.
- Added the "frame" unit for the Delay Time parameter setting in the Monitor Delay effect of OUTPUT channels and the OUTPUT DELAY effect.
- Added the PFL Trim setting in the MONITOR CUE screen.
- Added the stereo pair setting for the MATRIX1/2 bus and MATRIX 3/4 bus.
- Added the "MTRX1/2" and "MTRX3/4" options to the RECORD source selection menu of the RECORDER screen.

Specification changes (V3.50)

- Changed the "Last CUE" mode to the CUE stack* operation, same as with the "MIX CUE" mode.
  *CUE stack: turning off the CUE for a low priority channel enables the CUE for a high priority channel to be turned on again.
- Changed the [ON] key function when the [INPUT] key or the [FX] key of the MUTE section on the top panel is turned on.

V3.11 or earlier: Pressing an [ON] key turns the temporary cancelation for mute function

on/off

V3.50 or later: Pressing an [ON] key temporary removes the channel from the mute group

Fixed bug (V3.50)

- Solved a problem (of V3.10) in which, when an unsupported Dante device in HA remote was

  patched to an Input channel of TF, unexpected Virtual indicator appeared in the INPUT

  screen of the corresponding channel.

V3.50

New features

- Channels 1 – 8 can be used with the Dugan Automixer.

  Scenes saved via the TF series V3.11 or earlier do not include the Automixer parameters.

  This means that Automixer parameters will not change even such Scenes are recalled.

- Added AUX Send point selection, Pre EQ or Pre Fader, for a channel to which AUX Send is

  set to Pre.

- Added the "frame" unit for the Delay Time parameter setting in the Monitor Delay effect of

  OUTPUT channels and the OUTPUT DELAY effect.

- Added the PFL Trim setting in the MONITOR CUE screen.

- Added the stereo pair setting for the MATRIX1/2 bus and MATRIX 3/4 bus.

- Added the "MTRX1/2" and "MTRX3/4" options to the RECORD source selection menu of the

  RECORDER screen.

Specification changes

- Changed the "Last CUE" mode to the CUE stack* operation, same as with the "MIX CUE" mode.

  *CUE stack: turning off the CUE for a low priority channel enables the CUE for a high priority channel to be turned on again.

- Changed the [ON] key function when the [INPUT] key or the [FX] key of the MUTE section on the top panel is turned on.

  V3.11 or earlier: Pressing an [ON] key turns the temporary cancelation for mute function on/off

  V3.50 or later: Pressing an [ON] key temporary removes the channel from the mute group

Fixed bug

- Solved a problem (of V3.10) in which, when an unsupported Dante device in HA remote was patched to an Input channel of TF, unexpected Virtual indicator appeared in the INPUT screen of the corresponding channel.

V3.11

Fixed bug (V3.11)

- Solved a problem (of V3.10) in which touching the OK button on the TIME screen disabled key and fader operation, followed by the meter display stopping.

New features (V3.10)

- Now supports the "Dante Device Lock" function.
- Now supports the AES67 standard for audio - over - IP interoperability.

NOTE

To use these new functions, update the NY64-D firmware to version 3.10.0.19-4.0.3.1-1.3.4 (included in the tf_firm310.zip) or later.

Fixed bug (V3.10)

- Solved a problem in which DCA function would not turn on if you pressed the [ON] key once when the "INPUT" function was set to on in the Auto CH Select section of the PREFERENCE screen.

V3.10

New features

- Now supports the "Dante Device Lock" function.
- Now supports the AES67 standard for audio - over - IP interoperability.

NOTE

To use these new functions, update the NY64-D firmware to version 3.10.0.19-4.0.3.1-1.3.4 (included in the tf_firm310.zip) or later.

Fixed bug

- Solved a problem in which DCA function would not turn on if you pressed the [ON] key once when the "INPUT" function was set to on in the Auto CH Select section of the PREFERENCE screen.

V3.01

Additional Function

- Added an Access Permission function via user accounts.

- Added a FADER section to the OVERVIEW screen.

  Set the [HOME] key function in the PREFERENCE screen to display the FADER section.

  For detailed information, refer to the TF V3 Reference Manual.

- Added an "EQ Band Select" function that can be assigned to the [USER DEFINED KEYS].

- Added the following functions that can be assigned to the [USER DEFINED KNOBS].

    Selected CH: EQ Band Select

    Selected CH: Digital Gain

    Selected CH: Send Level (FX, AUX, and SUB)

    CH Select

    CH Level

- Added a "Power Saving Mode" function in the BRIGHTNESS screen.

  This function automatically sets the screen brightness to low if no operation is performed

  during a specified amount of time.

- Ensured that the STEREO/SUB Level Link function maintains offsets.

[Notices]

Offset values will also be saved in a Scene. However, Scenes saved via the TF series V2.50

or earlier do not include Offset values. This means that Offset values will not change even if

such Scenes are recalled.

- Added bus sends from the AUX9/10 – AUX19/20 busses to the SUB bus.

- Added a SEND FROM screen to the FX1/FX2 channels.

- Added the Matrix1-4 meters in the TOOLBAR.

- New Presets have been added to the default Presets of the Channel Library. To add them to the Library list, execute "Initialize All Memory" after updating to V3.0.

Specification changes(V3.00)

- Added the threshold link function of the "Multi Band Comp" effect to keep offsets between the Low, Mid, and High parameters. In addition, the Make Up parameter has been removed to avoid a sudden change of volume.

- Changed the Input Gain offset link action between stereo link channels to keep the offset value even if the Input Gain is set to maximum or minimum.

- The SYSTEM SETUP screen and the USER SETUP screen have been consolidated to the SETUP screen.

- Added an Initialize NY64-D screen in the Maintenance screen.
  Initializing the NY64-D feature was included in the "Initialize All Memory" function in V2.50 or earlier. This feature has become an independent function from the V3.0 firmware.

- Changed the specification to not load the settings of channel selection, fader bank selection, and SENDS ON FADER to the TF setting file (.TFF).

- Changed the "Monitor Source Select" operation of the USER DEFINED KEY from simple selection to toggling between selection and off.

Specification changes(V3.01)

- (TF-RACK only) Changed OMNI OUT Patch settings of the Preset Scenes to "ST L=OMNI 7" and "ST R=OMNI 8," which matches the rear panel printing.

  This change will be reflected when executing the "Initialize All Memory" function after updating to V3.01.

Improvements

- Improved the volume curve in a muting of internal HA gain control at each 6dB point.
- Improved the action of motor faders.

Fixed bugs(V3.00)

- Solved a problem in which the Stereo Link function might cause a data loop for the HA Gain control of the Tio1608-D when some TF series units having the HA Control set to on exist in the same Dante network.
- Solved a problem in which a TF setting file could not be loaded by a certain operation procedure.
- Solved a problem in which the Send Pan parameter set to center when executing the "All Nominal" context menu in the SEND FROM screen.
- Solved some minor bugs.

Fixed bugs(V3.01)

- Solved a problem in which, when operating the analog gain (A.Gain) of a channel not set to the Stereo Link function, and if Stereo Link has been set to the channel using the same INPUT jack (TF5:CH1-8 and CH33-40, TF3:CH1-16 and CH25-40, TF1:CH1-16 and CH17-

32), the unlinked channel would also link to the corresponding next channel regardless of the input source selection.

- Solved a problem in which the "SYNPHONIC" effect worked incorrectly; not 2IN/2OUT, but 1IN/2OUT.

- (TF1 and TF-RACK only) Solved a problem of the Quick Config function in which muting for a Tio1608-D set to UNIT ID 3 would not be cleared depending on a certain procedure.

Known issue

- A message "Two or More HA Controllers may Cause Conflict" may appear when loading a TF setting file (.TFF) while the "HA Control" option in the Slot Setup menu is off. In this case, the progress bar showing the loading status may disappear. However, the initialization otherwise works properly.

V3.00

Additional Function

- Added an Access Permission function via user accounts.

- Added a FADER section to the OVERVIEW screen.

  Set the [HOME] key function in the PREFERENCE screen to display the FADER section.

  For detailed information, refer to the TF V3 Reference Manual.

- Added an "EQ Band Select" function that can be assigned to the [USER DEFINED KEYS].

- Added the following functions that can be assigned to the [USER DEFINED KNOBS].

    Selected CH: EQ Band Select

    Selected CH: Digital Gain

Selected CH: Send Level (FX, AUX, and SUB)

CH Select

CH Level

- Added a "Power Saving Mode" function in the BRIGHTNESS screen.

  This function automatically sets the screen brightness to low if no operation is performed

  during a specified amount of time.

- Ensured that the STEREO/SUB Level Link function maintains offsets.

  ### [Notices]

  Offset values will also be saved in a Scene. However, Scenes saved via the TF series V2.50

  or earlier do not include Offset values. This means that Offset values will not change even if

  such Scenes are recalled.

- Added bus sends from the AUX9/10 – AUX19/20 busses to the SUB bus.

- Added a SEND FROM screen to the FX1/FX2 channels.

- Added the Matrix1-4 meters in the TOOLBAR.

- New Presets have been added to the default Presets of the Channel Library. To add them to

  the Library list, execute "Initialize All Memory" after updating to V3.0.

Specification changes

- Added the threshold link function of the "Multi Band Comp" effect to keep offsets between

  the Low, Mid, and High parameters. In addition, the Make Up parameter has been removed

  to avoid a sudden change of volume.

- Changed the Input Gain offset link action between stereo link channels to keep the offset

  value even if the Input Gain is set to maximum or minimum.

- The SYSTEM SETUP screen and the USER SETUP screen have been consolidated to the SETUP screen.

- Added an Initialize NY64-D screen in the Maintenance screen.

  Initializing the NY64-D feature was included in the "Initialize All Memory" function in V2.50 or earlier. This feature has become an independent function from the V3.0 firmware.

- Changed the specification to not load the settings of channel selection, fader bank selection, and SENDS ON FADER to the TF setting file (.TFF).

- Changed the "Monitor Source Select" operation of the USER DEFINED KEY from simple selection to toggling between selection and off.

Improvements

- Improved the volume curve in a muting of internal HA gain control at each 6dB point.

- Improved the action of motor faders.

Fixed bugs

- Solved a problem in which the Stereo Link function might cause a data loop for the HA Gain control of the Tio1608-D when some TF series units having the HA Control set to on exist in the same Dante network.

- Solved a problem in which a TF setting file could not be loaded by a certain operation procedure.

- Solved a problem in which the Send Pan parameter set to center when executing the "All Nominal" context menu in the SEND FROM screen.

- Solved some minor bugs.

Known issue

- A message "Two or More HA Controllers may Cause Conflict" may appear when loading a

  TF setting file (.TFF) while the "HA Control" option in the Slot Setup menu is off. In this case,

  the progress bar showing the loading status may disappear. However, the initialization

  otherwise works properly.

- There is the problem in which, when operating the analog gain (A.Gain) of a channel not set

  to the Stereo Link function, and if Stereo Link has been set to the channel sharing the same

  INPUT jack as the source option (TF5:CH1-8 and CH33-40, TF3:CH1-16 and CH25-40,

  TF1:CH1-16 and CH17-32), the unlinked channel would also link to the corresponding next

  channel regardless of the input source selection. When using TF INPUT jacks, we suggest

  to refrain from setting Stereo Link to the channel sharing the same INPUT jack regardless of

  the input source selection. (This problem does not occur in Firmware V2.50.)

V2.50-2

Additional Function

- Added four MATRIX busses and four MATRIX channels.

  You can now send the post ON signals from the AUX1-20, STEREO, and SUB channels to

  the MATRIX busses.

  The MATRIX channels have 4-band EQ and DELAY. For detailed information, refer to the TF

  series Reference Manual.

Notices

Scenes saved via the TF series V2.01 or earlier do not include the MATRIX parameters. This means

that MATRIX parameters will not change even such Scenes are recalled.

- Added the "Output Delay" effect type which simply has only a delay time parameter.

- Added the firmware update function for the NY64-D option card.For detailed information,

  refer to the firmware update guide.

Specification Changes

- When executing the Default menu in the EFFECT screen, the default parameter values of

  the selected effect type will be set.

Improvements

- Improved the available range of adjusting the brightness of the CH Name displays.

  (BRIGHTNESS screen)

- The maximum units of HA controllable Dante I/O devices has been expanded from three to

  eight. (The connected Tio1608-D set to UNIT ID 1-3 is counted in the limit.)

  In addition, the maximum units of connectable Yamaha Pro Audio devices and the

  applications for Yamaha Pro Audio devices such as the R Remote have also been expanded

  from 20 to 24.

Notice

The NY64-Dfirmware update to the version "3.8.0.24 3.5.1.8 1.2.8" or later is required.

Fixed bugs

- Solved a problem in which when connecting a TF series and TF editor/TF StageMix, the setting in the TF series and the setting in the TF Editor/TF StageMix did not match after executing the Compare menu or the Paste menu in GEQ (Flex12).

- Solved a problem in which the gate would open when operating the Hold parameter of the channel GATE.

- Solved a problem in which executing Store and Edit menu operations to the same Library continuously over a short time in the LIBRARY screen would result in not being able to recall a Scene, or files not appearing in the SAVE/LOAD window.

- Solved a problem in which settings for Recall Safe, User Defined Controls, and Custom Fader Bank in a TF setting file saved via TF V1.xx could not be loaded when using the File Load custom function.

- Solved a problem in which, when the Pitch 1 parameter and the Fine 1 parameter of Pitch 1 of the DUAL PITCH effect are set to 0, the pitch shifting of Pitch 2 would not work.

- Solved a problem in which a message "Two or More HA Controllers may Cause Conflict" may have appeared when initializing the console while the "HA Control" option in the Slot Setup menu was off.

- Solved some minor bugs.

Known Issue

- A message "Two or More HA Controllers may Cause Conflict" may appear when loading a TF setting file (.TFF) while the "HA Control" option in the Slot Setup menu is off. In this case, the progress bar showing the loading status may disappear. However, the initialization otherwise works properly.

V2.01

Additional Function

- Now supports NY64-D option card for Dante Interface. Connection with Dante devices (such as Tio1608-D, R series, etc.) is available via the NY64-D. In addition, HA control is also available with Tio1608-D and R series.

Notices

- In this version, there are limitations in connections with devices in the same network. You can connect less than 20 Yamaha PA devices or the R Remote application, of which three Dante I/O devices are available for HA control. The Tio1608-D set to UNIT ID 1 to 3 are included in these three only if connected.

- This version can communicate audio and HA control of R series V3.11 if Quick Config is disabled on TF series, and patching is made from/to NY64-D by Dante Controller software. However, if you will share the same R series I/O rack with CL/QL series, we recommend to disable the "HA Control" option on TF series before making the patch, then manage the HA control from CL/QL series.

- Added "Ping Pong Delay" and "Dual Pitch" effect types.

- Added a function to control the gain settings of GEQ via faders.

- Added the "LOAD SELECT" function to be able to individually load selected settings of the TF setting file.

- Added the "All Nominal" function to set the send level settings of all AUX busses or SUB bus to nominal (0 dB) in the menu of each SEND FROM screen.

- Added the "Dup. STEREO" function to set the send level settings of AUX busses or SUB bus to the same settings of the channel faders in the menu of each SEND FROM screen.

- Added the "[TAP] Key Blink" function to disable blinking of the [TAP] key in the PREFERENCE screen.

- Added the function to send to the SUB bus from ST IN1/2 or FX RTN 1/2.

NOTE

When recalling a Scene, or a Channel Library stored via the V1.xx version, these send parameters are not changed.

- Added languages for the HELP screens. The additional languages are:

  Arabic

  Croatian

  Czech

  Dutch

  Hindi

  Hungarian

  Persian

  Polish

  Romanian

  Serbian

  Slovenian

  Tagalog

  Turkish

- Added some default Presets in the Channel Library. Some Preset data have been modified. This change will be reflected when executing the "Initialize All Memory" function after updating to V2.00.

Specification Changes

- Changed the specification in which the channel names of each stereo-linked mono channel are not linked. However, the channel names link in the permanent stereo channels such as ST IN, AUX9/10, etc.

- The reverb/ER effects are now available in all FX/InsFX.

Improvements

- Improved the timing of the action in the Stereo link operation by the [SEL] keys. Press the [SEL] keys of specified channels to set to stereo link not simultaneously, but in sequence in one-second intervals, and then, keep pressing the keys for about two seconds.

- Improved the Library screen.

   o Un-recallable Libraries are not listed.

   o You could recall each module such as EQ, COMP, FX, etc from a Preset with different channel types.

- Network setting is now available when no devices are connected to the Network connector.

- The data transfer for Meters is now available between the TF series and the TF Editor, even when DHCP mode is set but the DHCP server does not exist with the network.

- When recalling or storing a Scene via the TF Editor, or StageMix, the Scene number and name displays in the TF series also follow them.

- The pause function in recording is now available.

Fixed bugs (2.00)

- Solved a problem in which when operating the analog gain when the input source setting has been set to "INPUT" and channel link has been set to the channel, the analog gain of the channel using the same input signal of the INPUT port (TF5: CH1-8 and CH33-40, TF3: CH1-16 and CH25-40, TF1: CH1-16 and CH17-32) will link regardless of the input source selection.

- Solved the problem in which the meter could not hold the peak of the OVER level.

- Solved the problem in which some meters would not work properly when loading the setting file with a different meter point setting.

- Solved some minor bugs.

Fixed bugs (2.01)

- Solved the problem in which some faders would rarely indicate slightly shifted values when operating the fader bank or SENDS ON FADER.

- Solved the problem in which connecting a USB cable between Mac and the console while both are running would occasionally halt the signal processing, and the console would not restore until restarting it.

- Solved the problem in which a message "Dante Version Mismatch" may appear for a few seconds when making patches from R series V3.11 (Rio3224-D, Rio1608-D, Ri8-D) via NY64-D by Dante Controller.

- Solved some minor bugs.

Known Issue

- A message "Two or More HA Controllers may Cause Conflict" may appear when initializing the console while the "HA Control" option in the Slot Setup menu is off. However, the initialization works properly.

V2.00

Additional Function

- Now supports NY64-D option card for Dante Interface. Connection with Dante devices (such as Tio1608-D, R series, etc.) is available via the NY64-D. In addition, HA control is also available with Tio1608-D and R series.

Notices

- In this version, there are limitations in connections with devices in the same network. You can connect less than 20 devices of Yamaha PA devices or the R Remote application, of which three Dante I/O devices are available for HA control. The Tio1608-D set to UNIT ID 1 to 3 are included in the three only if connected.

- This version can communicate audio and HA control of R series V3.11 if Quick Config is disabled on TF series, and patching is made from/to NY64-D by Dante Controller software. However, if you will share the same R series I/O rack with CL/QL series, we recommend to disable the "HA Control" option on TF series before making the patch, then manage the HA control from CL/QL series.

- Added "Ping Pong Delay" and "Dual Pitch" effect types.

- Added a function to control the gain settings of GEQ via faders.

- Added the "LOAD SELECT" function to be able to individually load selected settings of the TF setting file.

- Added the "All Nominal" function to set the send level settings of all AUX busses or SUB bus to nominal (0 dB) in the menu of each SEND FROM screen.

- Added the "Dup. STEREO" function to set the send level settings of AUX busses or SUB bus to the same settings of the channel faders in the menu of each SEND FROM screen.

- Added the "[TAP] Key Blink" function to disable blinking of the [TAP] key in the PREFERENCE screen.

- Added the function to send to the SUB bus from ST IN1/2 or FX RTN 1/2.

NOTE

When recalling a Scene, or a Channel Library stored via the V1.xx version, these send parameters are not changed.

- Added languages for the HELP screens. The additional languages are:

    Arabic

    Croatian

    Czech

    Dutch

    Hindi

    Hungarian

    Persian

    Polish

    Romanian

Serbian

Slovenian

Tagalog

Turkish

- Added some default Presets in the Channel Library. Some Preset data have been modified. This change will be reflected when executing the "Initialize All Memory" function after updating to V2.00.

Specification Changes

- Changed the specification in which the channel names of each stereo-linked mono channel are not linked. However, the channel names link in the permanent stereo channels such as ST IN, AUX9/10, etc.

- The reverb/ER effects are now available in all FX/InsFX.

Improvements

- Improved the timing of the action in the Stereo link operation by the [SEL] keys. Press the [SEL] keys of specified channels to set to stereo link not simultaneously, but in sequence in one-second intervals, and then, keep pressing the keys about two seconds.

- Improved the Library screen.

  o Unrecallable Libraries are not listed.

  o You could recall each module such as EQ, COMP, FX, etc from a Preset with different channel types.

- Network setting is now available when no devices are connected to the Network connector.

- The data transfer for Meters is now available between the TF series and the TF Editor even when the DHCP server does not exist with the network setting is set to DHCP.

- When recalling or storing a Scene via the TF Editor, or StageMix, the Scene number and name displays in the TF series are also follow them.

- The pause function in recording is now available.

Fixed bugs

- Solved a problem in which when operating the analog gain when the input source setting has been set to "INPUT" and channel link has been set to the channel, the analog gain of the channel using the same input signal of the INPUT port (TF5: CH1-8 and CH33-40, TF3: CH1-16 and CH25-40, TF1: CH1-16 and CH17-32) will link regardless of the input source selection.

- Solved the problem in which the meter could not hold the peak of the OVER level.

- Solved the problem in which some meters would not work properly when loading the setting file with a different meter point setting.

- Solved some minor bugs.

Known Issue

- A message "Dante Version Mismatch" may appear for a few seconds when making patches from R series V3.11 (Rio3224-D, Rio1608-D, Ri8-D) via NY64-D by Dante Controller. However, the audio and HA control communications work properly.

V1.12

Additional Function

- Added languages for the HELP screens. The additional languages are:

  Bulgarian

  Chinese TW (Traditional Chinese)

  Danish

  Indonesian

  Korean

  Swedish

  Thai

  Vietnamese

Specification Changes

- The default Presets are now set to read-only. In addition, some Presets have been

  modified. To apply these changes, execute "Initialize All Memories" after updating the TF

  series console to V1.12.

Fixed bugs

- Solved the problem in which [TAP] key operation (such as controlling the delay time,

  modulation frequency, etc.) may not work properly because of some operation procedure.

- Solved the problem in which the status indicator of the [ON] key (on/flash/off) differs

  between the INPUT FADER BANK and the CUSTOM FADER BANK when pressing the

  [INPUT] key in the MUTE section.

- Solved the problem in which the status of the [ON] key of a channel assigned to a DCA

  group/AUX in the CUSTOM FADER BANK may be incorrect.

- Solved the problem in which the MonitorMix may receive incorrect information when saving a Scene, when changing a Title, or when loading a console file. MonitorMix version 1.0.2 or later is recommended.

- Solved some minor bugs.

Known Issue

- We found a problem that some level meters are not displayed at the correct meter point after loading a console data file (.tff) which uses a different meter point.

  Changing the meter point in the meter display solves the problem.

V1.10

New Features

- Now supports TF Editor.

- Nine Effect types have been added.

  - EARLY REF [1]

  - GATE REVERB [1]

  - REVERSE GATE [1]

  - DELAY>REVERB [1]

  - CHORUS [2]

  - FLANGE [2]

- SYMPHONIC [2]

- PHASER [2]

- M BAND COMP [2]

[1])Available for FX1, FX2, InsFX1 and InsFX2

[2]) Available for all Effects.

- The "Brightness -> Bank Change" function has been added and can be assigned to the User Defined Keys and Foot Switch.

- New Presets have been added to the default Presets of the Channel Library.   To add them to the Library list, execute "Initialize All Memory" after updating to V1.10.

- The "Gain Unlink" button has been added to the INPUT screen. The Gain Unlink function allows control over the analog gain or the stereo gain of stereo-linked channels individually on a temporary basis.

- An INPUT screen menu has been added, allowing you to change all input source settings according to the fader bank.

Specification Changes

- Changed the Preset recall function, which is activated by pushing the [TOUCH AND TURN] knob when opening the LIBRARY screen from the EQ/GATE/COMP/FX/GEQ screen. Depending on the previously selected screen, push the [TOUCH AND TURN] knob to execute Recall EQ, Recall GATE, Recall COMP, Recall FX, or Recall GEQ. If you want to execute Recall CH, as was possible in the previous version, open the LIBRARY screen from the OVERVIEW/CH VIEW screen, or touch the "Recall CH" button in the LIBRARY screen.

Improvements

- Processing of the Recording function has been improved, and compatible HDD/SDD drives have been added. For more details, refer to the compatiblity list.

- Solved some minor problems.