

# X32 FIRMWARE UPDATE

## UPDATE INSTRUCTIONS

X32 Firmware updates are issued periodically to add new features, fix reported software bugs and improve product performance. Updates are designed to be user-installed and require no computer to be connected to the console, allowing for rapid and secure updating of single units or entire fleets. All updates shall be subject to the terms and conditions of the MUSIC Group End User License Agreement which may be viewed and accepted upon the download of the update.

**NOTE:** There are two different installation methods dependent upon the manufacture date.

### For units manufactured March 2013 and after use the following steps:

1. Download the new console firmware from the X32 product page onto the root level of a USB thumb drive.
2. Hold the USB VIEW button depressed while switching the console on to enter the update mode.
3. Plug the USB thumb drive into the top panel USB connector.
4. The X32 will wait for the USB drive to become ready and then run a fully automated firmware update.
5. When a USB drive fails to get ready, updating will not be possible and we recommend switching the console off / on again for booting the previous firmware.
6. The update will take 2-3 minutes longer than the regular boot sequence.

### For units manufactured before March 2013 use the following steps:

1. Plug the USB Flash drive into the top panel USB connector of the X32 while the console is switched off.
2. **NOTE: Some USB Flash drives may fail to initiate the firmware update process because of a compatibility issue related to memory speed. In the event that a power recycle does not initiate the firmware update you may attempt a console reboot while the console is powered up and the Flash drive is inserted. To initiate a reboot either change the sample rate (on the Setup Page) or press and release the reset button on the rear panel. Alternatively, you can try another USB Flash drive.**
3. Switch the console on. While booting, the X32 will run a fully automatic firmware update, which will take 2-3 minutes longer than the regular boot sequence.
4. Once the firmware update is complete the X32 LCD Display will return to the standard operating screen and the console is ready to use.
5. Remove the USB Flash drive and store for future use or erase the firmware and repurpose.

## SUPPORT

Go to [www.behringer.com/X32](http://www.behringer.com/X32) for the latest software, firmware and support information. Report any software or firmware related issues to [X32Care@music-group.com](mailto:X32Care@music-group.com).

## CHANGE LOG

### 1.15 (2013-07-26)

#### Improvements:

- Support for latest X32-Edit
- 'Select Follows Solo' function only selects a channel when solo is activated, not when deactivated
- Icon and name now copied when activating a channel link

#### New features:

- Additional aux routing sources (2, 4, or 6 channels)
- Direct routing of aux inputs to AES ports and/or card
- Push & hold the encoder during power-on to initialize the X32CORE
- X32CORE enters 'safe to power off' mode (i.e. all settings saved) when in setup menu (push & hold the USB button)

### 1.14 (2013-06-12)

#### Improvements:

- Better indication of selected channel on main LCD when no channel icon is set (for Producer and Rack)
- EQ section low-cut/high-cut LED's also used for x-over filter types
- Headamp settings are copied when channels get linked (and Link HA preference switch is on)
- Stage box gains can be (PRE-) set when no stage box is connected (Setup/Preamps page)
- Digital trim now +/- 18 dB

#### New features:

- Channel auto-select option
- Fader of selected channel can be assigned to user encoders
- Tape (USB recorder) control can be assigned to user buttons
- X-USB card support

### 1.13 (2013-02-18)

#### Improvements:

- New OSC server functions (osc-server V0.90)
- Mackie Control Universal support improved (i.e. for Cakewalk SONAR)
- New user assignable controls for faders, dca and mutegroups
- Insert-'source' text for FX 1..4 indicating where the effect is inserted
- Corrected scene parameter safes for Preamp and Delay
- Improved redraw function for scene load

- Corrected indication of channel send fader position on home screen
- Firmware required for XControl remote control software version 1.01 and later



---

## 1.12 (2013-01-17)

### Improvements:

- Encoder acceleration improved
- Channel AFL Solo now always post insert
- Sends On Fader related freeze fixed

### New Features:

- Full support for all new X32 models

---

## 1.11 (2012-12-11)

### Improvements:

- As of Firmware 1.10 there are two new ways for direct editing of scribble strip names/colors/icons:
  - a) press Utility while holding the channel's Select button depressed, OR
  - b) open the SETUP/scribble strip page, and select the channel to be edited from the list on the left side.
- Solo selection error after un-linking fixed

---

## 1.10 (2012-11-29)

### Improvements:

- Bus AFL solo now always post insert
- Talkback gain reduced (previous default setting was too high)
- Handling of fader move events while switching fader assignment fixed
- Sporadic noise when changing insert position removed
- User assignable buttons now correctly return to previous banks when used for sends on faders

### New Features:

- Direct control of all mic preamps independent from their channel assignment to allow inline recording mode and live card inserts:
  - route local or AES50 inputs to card,
  - route card returns to console input channels
  - set preamp gain (2.5 dB steps) on new preamp setup page,
  - adjust digital trim +/-12 dB on console 'tape return' channels

- 2 new Dual-band DeEsser Effects (dual-mono, stereo) with M/S processing option (can be used as insert or side-chain processes)
- The user assignable buttons can now be (re-)assigned to JUMP function regardless of previous function (by holding one of the SET buttons)
- Matrix buses have some new features that enable them to be used in simple speaker processing applications:
  - phase inverter switchable in config/preamp section
  - signal tap (pre/post EQ, pre/post fader) from bus sends to matrix can be selected now
  - EQ bands LOW and HIGH now can be switched to crossover filter types (butterworth, bessel, linkwitz-riley up to 24dB/oct).**Note:** The crossover filter types use up the intermediate bands LOW2 and HIGH2 respectively when activated.
- New features with GEQ-On-Fader function (reset all, jump in blocks of 8)
- On request for theater productions – the scene parameter safes for mute and fader/pan in input and bus channels, can now be set independently
- The meter screens for input channels, mix buses and aux/FX now show the channel's mute status

**Note:**

Due to additional scenes parameters (matrix bus options: signal tap, X-over Filter in EQ and Phase reverse) all scenes that use matrix buses should be checked, because previously created scenes do not contain these additional parameters yet. In order to make old scenes consistent with Firmware 1.10 it is recommended to initialize the console, then load and immediately save back each scene.

---

## 1.09 (2012-09-27)

**Improvements:**

- When 'safe main level' and 'M/C depends on Main L/R' are activated, M/C level is no longer set to  $-\infty$  on powerup
- User defined buttons now correctly return to previous page when used as channel select
- 'Pre' LED's now correctly work when aux or FX returns are selected
- Player now plays non-canonical wave files with no artifacts at the end
- Recorder automatically restarts with new file when size limit (2GB) is exceeded
- DCA solo now also includes channels that are not routed to main L/R (e.g. to group buses)
- Erratic behavior of ch 1 input delay and Matrix 6 insert fixed

**New Features:**

- Current settings (i.e. single scene) can now directly be saved (to the USB drive)
- FX utilities include algorithm (FX type) selection
- OSC server updated to 0.7 (to support XiControl update)
- Signal flow diagrams dynamically updated when changing Dyn/Insert position

---

## 1.08 (2012-08-31)

**Improvements:**

- Ambience FX redraw issue fixed
- USB Player/Recorder no longer drops last block
- Freeze when using channel library after assigning '- Param 64 -' to any assignable controller fixed
- Pre/Post indication on channel home screen updated

#### **New Features:**

- Sends On Fader on a specific channel or bus can be assigned to user assignable buttons within the ASSIGN section
- Scenes can be assigned to user assignable buttons in the ASSIGN section
- Holding down a select button and pressing UTILITY now directly accesses the naming screen
- Solo option 'Dim PFL' allows to apply DIM to PFL sources (to align levels when using as monitor console)

---

## **1.07 (2012-08-22)**

#### **Improvements:**

- Sporadic freeze when using presets/scenes with long names (> 15 characters) fixed

---

## **1.06 (2012-08-21)**

#### **Improvements:**

- Freeze when using library FX load with confirmation disabled fixed
- Thump noise when using master GEQ and loading Tremolo/Pan into any other FX slot removed
- Main bus AFL solo fixed
- Non-ASCII characters in filenames (on USB thumb drive) are now ignored so that these files can be selected for play (though it is recommended to use ASCII characters only)
- After song has been played (in single mode), player returns to stop mode
- High EQ in tube stage FX fixed
- Dyn key source parameter now correctly disabled on matrix and main channels

---

## **1.05 (2012-08-06)**

#### **Improvements:**

- Channel link fixed when used with remote control

**New Features:**

- DAW remote control level meter support
- 

## 1.04 (2012-07-30)

**Improvements:**

- Pre/Post send indication on home page fixed (PRE was indicated with the wrong icon)
- Send section update issues fixed on home page when using eth remote control
- Channel sends not fully updated when changing send type from/to GROUP
- Initialize console now sets pans on AUX 7/8 to hard left/right
- OSC server crashed when path not found – fixed

**New Features:**

- Undo button also available on Scenes/Home screen
  - Hold UTILITY button to initialize console during boot
  - OSC server updated to 0.60 (to support PC remote release)
- 

## 1.03 (2012-07-11)

**Improvements:**

- Rotary effect bug fixed
- Media full now correctly recognized during file write

**New Features:**

- User section now supports midi events
  - User section now supports DAW remote control functions
  - MIDI over AES50 for S16 (user section midi and scene midi)
  - Selected channel and fader clip LEDs indicate (analog) input clip even with negative trim values
- 

## 1.02 (2012-06-19)

**Improvements:**

- Unit now correctly syncs on AES50 port B @ 44K1 on startup



- Correct enumeration of remote controllable preamps (i.e. S16 port B)
- Sporadic sync problem (AES50 slave clock phase) on startup fixed
- Scan rate of small LCD's changed to avoid flickering

**New Features:**

- New lock screen
  - Console init sets gate threshold to -80dBFS and range to 60dB now
- 

## 1.01 (2012-06-01)

**Improvements:**

- Increased compatibility with slow starting thumb drives

© 2013 MUSIC Group IP Ltd. All rights reserved.  
All information in this document is subject to change without any further notice.