NOXON

Media Player
NOXON M740
Manual

Version 2.0 - 06/2011

M740

CE/FCC declaration

TERRATEC Electronic GmbH · Herrenpfad 38 · 41334 Nettetal · Germany
hereby declare that the product:

NOXON M740 (Full HD Network Multimedia Player)

to which this declaration refers is in compliance with the following standards or standard-
izing documents:
• EN 55022:1998 + A1:2000 + A2:2003, CLASS B
• EN 55024: 1998 + A1:2001 + A2:2003
• EN 61000-3-2:2000, Class A
• EN 61000-3-3:1995+A1:2001
• IEC 61000-4-2:2001
• IEC 61000-4-3:2002+A1:2002
• IEC 61000-4-4:2004
• IEC 61000-4-5:2001
• IEC 61000-4-6:2003+A1:2004
• IEC 61000-4-8:2001
• IEC 61000-4-11:2004

This device may only be used in the following environments and operating conditions:
residential, commercial and industrial environments, as well as small businesses. The
basic protective requirements of EMC Directive 89/336/EEC are thus fulfilled.

CE conformity has been demonstrated. As stipulated in R&TTE Directive (1999/5/EC),
this device corresponds to a Class 1 radio system (Commission Decision 2000/299/EC).
The device also complies with FCC Part 15, Subpart B, Class B, and ANSI C63.4:2003.

This declaration is based on:
• Test report(s) of the ADT Corp. testing laboratory

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Important safety information

This device has been developed and manufactured so that it does not endanger personal safety. Improper use can cause electric shock or fire. The safety features integrated into this device can protect you only if you observe the following instructions for installation, use and maintenance:

- Please read this operating manual in its entirety.
- Observe all warnings and instructions.
- Do not use the device close to water.
- Clean it using a dry cloth only. Do not use any liquids!
- Do not cover up any ventilation openings. Install the device according to the instructions in this manual.
- Do not install the device in the immediate vicinity of heat sources such as radiators, ovens or other devices that give off a great deal of heat.
- Route all cables so that no one can step on them and they are not pinched, especially not on the connector, on the power outlet or at the location where the network cable exits the device.
- Unplug the power cable from the socket during electrical storms or when the device will not be used for a long time.
- All maintenance work may be carried out by qualified service technicians only. Maintenance work is required whenever the device has been damaged in any way, e.g. if power cables or connectors are damaged, liquid gets into the device or objects fall into it, if it has been exposed to rain or moisture, if it no longer functions normally or has fallen down.
- The device may be operated at ambient temperatures of 5 °C to 35 °C (41 °F to 95 °F) only.
- Do not drop the device or expose it to mechanical shock!
- Do not move the device as long as it is switched on.
- Place the device on a level, dry surface to prevent fire and electrical shock hazards as well as possible damage to the player itself.
- Do not place objects filled with liquid such as vases or bottles on the device.
- If the device has been exposed to extreme differences in temperature, allow it to adjust to the room temperature for one hour before plugging it in. Condensation may have formed inside the device, which impairs its functionality or can cause damage to the device itself.

Welcome!

Thank you very much for choosing a NOXON product!

Your NOXON M740 offers everything you need to play back your media collection on your big-screen TV in brilliant (HD) resolution of up to 1080p. The great number of connectors offered make for an easy and flexible combination with your other entertainment devices.

You can play back movies and music from a large number of diverse sources:
- USB memory sticks, USB hard disks and CD/DVD drives
- SD/MMC memory cards
- Internal SATA hard disk*
- External SATA hard disk*
- Wired networks (LAN)
- Wireless networks (with the NOXON WLAN stick*)

* The NOXON WLAN stick, external and internal SATA hard disks as well as other storage devices are optional additions for your M740. They are not included in the scope of delivery.

Scope of delivery

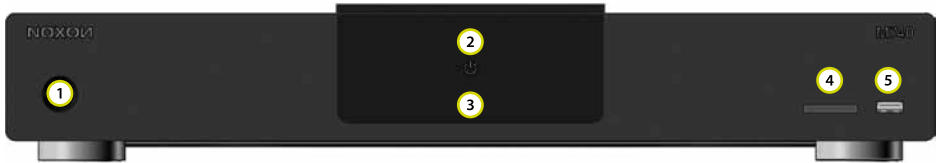Please start by making sure that the contents of the package are complete:
- NOXON M740 media player
- Power cable
- HDMI cable
- A/V cable
- RGB cable
- SATA cable
- Remote control with battery
- Manual (EN/DE)
- Quick start guide (EN/DE/FR/IT/ES/NL)
- Service request form

Enjoy your new NOXON M740!

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Overview

Front

1. On/Off button
2. Operating status display
3. Infrared receiver
4. SD/MMC card slot
5. Front USB port for external storage devices

Back
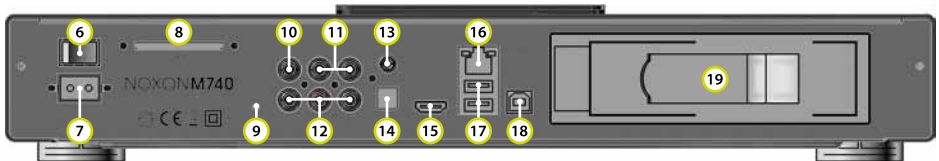
6. On/Off switch
7. Connection socket for power cable
8. SATA port
9. Reset button
10. Composite video output
11. Stereo audio outputs
12. Component video outputs
13. Coaxial S/PDIF audio output
14. Optical S/PDIF audio output
15. HDMI 1.3 interface
16. Network port (RJ-45)
17. USB ports for external storage devices
18. USB port for connection to a PC/Mac
19. 3.5" SATA hard disk drive bay

1. On/Off button
Activates the M740 or switches it into standby mode.

2. Operating status display
This LED lights up red in standby mode, while in active mode it shines blue.

3. Infrared receiver
Receives signals from the wireless infrared remote control. Please do not cover this sensor.

4. SD/MMC card slot
Play back movies, photos, music etc. from cards placed into this slot. The card reader supports the following file formats: SD, SD-HC, MMC, MS and MS Pro.

5. Front USB port for external storage devices
Media files can also be accessed from external USB storage devices like hard disks and memory sticks (USB 1.0, 1.1 and 2.0 up to 480 Mbit/s).

6. On/Off switch
Deactivating the M740 by this switch will completely disconnect it from mains and stop any energy consumption of the unit. However, the media player cannot be activated by the remote control or the On/Off button on the front panel in this mode.

7. Connection socket for power cable
Please only use the included cable for connecting your M740 to mains. Please make sure that this cable shows no sign of wear or any defects.

8. SATA port
Use the supplied cable to connect a SATA hard disk (not eSATA). Once it has been connected to this port, you can play back audio and video data from the external drive.

9. Reset button
On rare occasions (e.g. after updating the firmware) it can happen that the M740 freezes so that it does not react to commands anymore. This situation requires a reset. Please switch the media player off with the On/Off switch on the back panel. Then use a ball pen tip or something similar to push the reset button and hold it for five seconds while switching the M740 back on again.

10. Composite video output
This yellow RCA connector carries an analogue video signal without sound. Please note that the image quality of the other video outputs is superior to the quality of the composite output. Therefore you should only use this option if the others cannot be used for your purposes.

11. Stereo audio outputs
These two RCA outputs carry the analogue audio signal (the left channel coming from the white connector, the right channel from the red one).

12. Component video outputs
As a better alternative to the composite output you can connect your TV set and the M740 via the component video output using the supplied cable. Please note that also in this case the output does not carry an additional audio signal. The colour codes of the corresponding RCA connectors are red, green and blue (RGB).

13. Coaxial S/PDIF audio output
This yellow RCA connectors carries the audio signal(s) in the digital S/PDIF format. The digital signal transfer is lossless and, depending on the source file, audio will be available in mono, stereo or surround.

14. Optical S/PDIF audio output
The digital audio signals can alternatively be transferred through a light wave cable according to the TOSLINK standard. If you are using this type of cable, please avoid bending it too much.

15. HDMI 1.3 interface
This interface grants the best video and audio quality by transferring digital signals from your M740 to your TV through the supplied cable. If your TV set has an HDMI connector, please make sure to use it instead of the other video connectors in order to enjoy the best playback quality your media player can offer (up to 1080p 60Hz).

16. Network port (RJ-45)
This LAN/Ethernet connector lets you integrate the M740 into your cable home network at 10 or 100 MBit speed. Please use a standard network cable with RJ45 connectors. A green LED located at this port indicates a proper connection on both ends of the cable.

17. USB ports for external storage devices
In addition to the corresponding port on the front panel these connectors can be used to access media data from external USB storage devices like hard disks and memory sticks (USB 1.0, 1.1 and 2.0 up to 480 Mbit/s).

18. USB port for connection to a PC/Mac
If you have fitted an internal SATA hard disk into your M740 you can use this port to connect it with your PC or Mac. Your NOXON will be recognized as an external hard disk device without the need to install any drivers first. This way you can transfer movies, music and photos to your M740 fast and conveniently.

19. 3.5" SATA hard disk drive bay
You can upgrade your M740 with an internal 3.5" SATA hard disk (not included). Please

make sure to deactivate the media player by the power switch on the back panel before opening this bay. We suggest to use a hard disk with 5,400 RPM because of the lower noise floor this type of HDD usually produces.

Remote control
The supplied infrared remote control is the exclusive command centre for your M740. Please insert the supplied battery before first use:
• Open the battery cover on the rear side of the remote control.
• Insert the battery into the battery compartment as indicated by the + and - symbols.
• Close the battery compartment again with its cover.

Please follow this common advice when handling batteries:
• If the remote control does not function properly or the range is no longer adequate, replace the battery with a new one.
• Remove batteries when they are completely empty or if the remote control will not be used for an extended period. This prevents leaky batteries from damaging your remote control.
• Never throw batteries into a fire!
• Ensure that you use alkaline batteries or, even better, rechargeable batteries.
• Dispose of used batteries at the appropriate disposal facilities.
• Always dispose of batteries in compliance with legal regulations. This helps to protect the environment.

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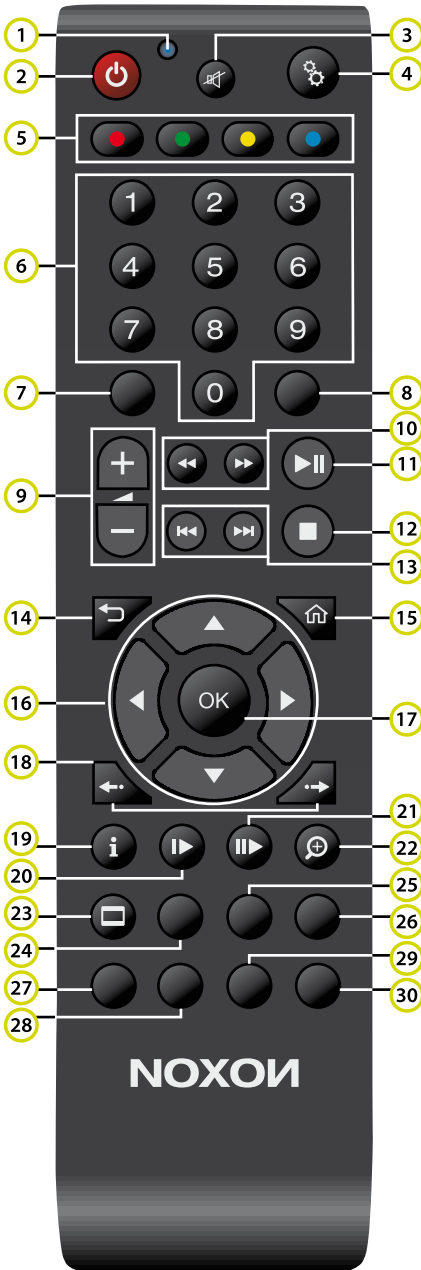
1. Activity monitor LED
2. Standby
3. Mute
4. Settings
5. Options
6. Keypad
7. Repeat
8. Goto
9. Volume Up/Down
10. Fast Backward/Forward
11. Play/Pause
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18. Time Leap Back/Forth
19. Option
20. Slow
21. Step
22. Zoom
23. 16:9
24. Angle
25. Menu
26. Title
27. TV Mode
28. A-B
29. Audio
30. Subtitle

1. Activity monitor LED
Lights up when one of the knobs is pressed. Please replace the battery if this should not be the case.

2. Standby
Switches your M740 on – please note that this can take a short while. A second press will switch the media player into standby or into server mode respectively.

3. Mute
Mutes the audio playback. A second press will return to normal audio playback at the volume which had been set before.

4. Settings
This opens the "Setup" menu of your M740. Here you can adapt the behaviour of your media player according to your individual wishes.

5. Options
These buttons activate additional options. The On-Screen-Menu will show you when and which specific options are available.

6. Keypad
You can enter the number 0 to 9 by using this keypad.

7. Repeat
Repeats single tracks/chapters or complete playlists. A second press will return to normal playback mode.

8. Goto
Depending on the current file format, this function lets you chose a specific track, chapter or point in time for playback.

9. Volume Up/Down
Increases or decreases the volume of the audio playback. Please be careful, as continuously high volumes can permanently damage your hearing.

10. Fast Backward/Forward
Increases the playback speed towards the beginning or the end of a track or a chapter. Repeated pressing will increase the speed of the accelerated playback.

11. Play/Pause
This button starts the playback of a media file. A second press will pause and another one will continue the playback again.

12. Stop
The Stop button interrupts all playback and search functions of the M740.

13. Skip Back/Forth
Jumps towards the next or the previous track or chapter and continues playback there.

14. Before
Returns from the current window to the one you were before: back to the movie, back to the previous menu - exactly the place were you had been before the actual one.

15. Main Menu
Jumps into the main menu.

16. Navigation
Use these buttons to navigate through the menus of your media player – up, down, left and right.

17. OK
OK confirms your entries, selects folders, chooses storage devices or starts playing back selected media files.

18. Time Leap Back/Forth
Jumps back in 15 second steps and forth in 30 second steps during playback. Just press and hold the button for a sequence of leaps.

19. Option
Displays information like file size, playing time, subtitles or video/audio resolution during playback. A second press will close the corresponding window.

20. Slow
Some file formats allow the slowed down playback of a movie. Repeated pressing will lower the playback speed further.

21. Step
Shows continuous still images of a movie. Each press of this button will jump to the next picture/frame, while holding the button will automatically show one picture after the other.

22. Zoom
Zooms into the display window. Repeated pressing will change the zoom factor: 1x, 2x, 3x, 4x and 8x. The image centre moved with the navigation keys in zoom mode.

23. 16:9
Depending on the movie and television format, you can use this button to switch between the 4:3 Letterbox, 4:3 Pan/Scan, 16:9 and 16:10 formats.

24. Angle
Some movies support views from different camera angles. If your movie supports this function, you can use this button to switch between several angles.

25. Menu
Press this button to call up the menu within a movie. However, please do not mistake this for the separate button for the main menu of the M740.

26. Title
Takes you back to the title menu of your movie.

27. TV Mode
Depending on which screen resolution your TV set supports, you can choose the optimum setting for your device here. You can choose from PAL(576i), NTSC(480i), 480P, 576P, 720P at 50 Hz, 720P at 60 Hz, 1080i at 50 Hz, 1080i at 60 Hz, 1080p at 50 Hz and 1080P at 60 Hz.

28. A-B
To repeat a certain passage of a movie, press A-B once at the desired starting position. If you press the button again, the "playback loop" starts at the point you marked with A and ends at the point where you pressed the button again. Pressing the button a third time ends the playback loop.

29. Audio
If a movie offers multiple audio tracks (e.g. different languages) you can select one of them by repeatedly pressing this knob.

30. Subtitle
Pressing this button once opens the subtitle menu, which allows you to playback subtitle files that are included in the movie or in the same folder along with the movie. You can configure settings for subtitle display as desired using the menu. If you press this button again, available subtitles are displayed or disabled automatically in sequence.

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Connection

Start by connecting your M740 to mains, then establish a video and audio connection to your TV set and/or your hi-fi system. Now you can integrate your media player into your wired or wireless network and finally add external and internal storage devices carrying movies, music and pictures. The following details will help you getting started.

Power supply
Plug the provided cable into the corresponding connector (7) on the back panel. Please do not use power cables which you suspect to be damaged. Now set the switch (6) to "I" in order to feed the player with power.

Video
HDMI
If your TV set features a HDMI connector, you should make use of it instead of the other video connection options. This way you will benefit from maximum video and audio quality (up to 1080p/60Hz) via digital signal transfer. Use the supplied cable to connect the HDMI interfaces of your M740 and your TV - this will transfer both video and audio signals through one single cable.

Component
If your TV set does not have an HDMI interface, but a Component input consisting of three coloured RCA connectors (12), you should use this option to transfer your video signals. Connect the red, green and blue RCA connectors on your NOXON and your TV with the provided cable. Please note that this will only transfer video signals, which requires an additional connection for audio.

Composite
The yellow RCA connector also carries a video signal which can be sent to the corresponding input of your TV with the supplied cable. However, the other video connectors of the M740 offer a better signal quality. This is why you should use this option only in case the others do not work for you. Also in this case, audio is not transferred together with the video signal, which requires a separate audio connection.

Audio
Analog
If you're not using the HDMI interface of your M740, you can send an analogue stereo audio signal from these two RCA (11) connectors to your TV set or hi-fi system (the left audio channel is coded white, the right one is red). Please note that surround audio signals can only be sent via the digital S/PDIF connectors or HDMI.

Coaxial S/PDIF
This yellow coded RCA connector (13) carries an audio signal in the digital S/PDIF format. Please use a standard RCA cable (not included) to establish the connection with

your TV or hi-fi receiver. Depending on the source file, audio is being transferred without loss in mono, stereo or surround.

Optical S/PDIF
Alternatively, the digital audio signal can be transferred via a light wave cable (not included) according to the TOSLINK standard. Should you use this connection, please make sure to plug in (14) and treat the cable with a certain care so it is not being bent too much.

Wired network (LAN)
Use a standard CAT 5 cable or similar (not included) for integrating your M740 into your home network. Plug one of the RJ45 connectors into the corresponding port (16) on your M740 and the other one into your router, switch or hub. A green LED located at this port indicates a proper connection on both ends of the cable.

Wireless network (WLAN)
If you prefer to integrate the M740 into a wireless network, you can do so by using the optional NOXON WLAN stick which uses the very fast 802.11n standard, featuring data transfer rates of up to 300 MBit/s. It is fast enough to transfer even HD movies without dropping frames. Of course the NOXON WLAN stick also supports the 802.11b and 802.11g standards as well as the WEP, TKZP, AES, WPA, WPA2 encryption/security standards.

Memory cards
The front panel of the M740 features a reader (4) for standard memory cards. You can playback movies, music and pictures from cards which have been inserted into this slot. The card reader supports SD, SD-HC, MMC, MS and MS Pro cards which can also be inserted during operation.

External storage devices (USB)
Your M740 features a total of three USB ports for connecting external storage devices like hard disks and memory sticks – one on the front (5) and two on the back panel (17). The media content of the storage devices connected to these ports can be accessed from the specific menus of your M740. Initialising a new device connected here might take a few seconds.

External hard disk (SATA)
Use the supplied cable to connect a SATA hard disk (not eSATA). Once it has been connected to this port (8), you can play back audio and video data from the external drive. The cable transfers your media data and the power the HDD requires at the same time.

Internal hard disk (SATA)
In addition or as an alternative to an external hard disk you can also retrofit an HDD directly into your media player. Please use a 3,5" SATA standard model, preferably with a

speed of 5,400 RPM in order to keep the noise level as low as possible. Before installing the hard disk, please make sure to disconnect your media player from mains. Now open the SATA bay (19) located on the back panel and insert the HDD carefully with the connectors showing towards the bay and the label showing up. Please make sure not to retain the cover while doing so. After noticing a soft click you can close the cover of the bay.

PC/Mac (USB)

If you have retrofitted your M740 with an internal SATA hard disk as described above, you can establish a connection between your PC/Mac and your media player by inserting a standard USB cable (not included) into the corresponding port (18). Your computer will recognize the NOXON as an external hard disk without the need to install any drivers at all. This is the fastest of several options to transfer media data like movies, music and images to your M740.

Setup

Setup assistant

When you power up the M740 for the first time, a setup assistant will help you to make the most basic settings. You can always execute this assistant anew by going to „Options" > "System" > "Default".
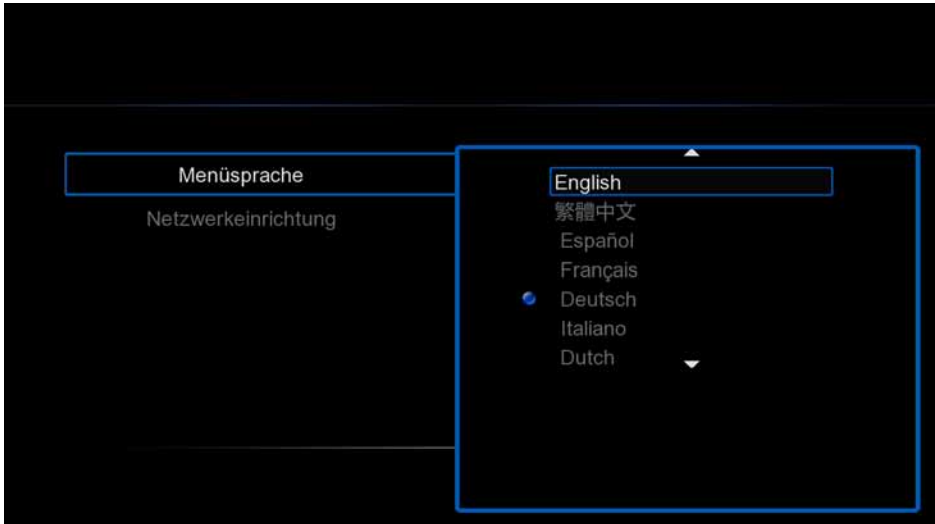
Start by choosing the language for the user interface with the Up/Down navigation and the "OK" button.

The network configuration comes next. If you own a DSL router with an integrated DHCP server, choose "DHCP IP (Auto)" and confirm with "OK". After confirming the question if you want to save this configuration, your NOXON will automatically connect itself with your network. Advanced users can also run a manual setup by using a static IP address. You'll find more info on this in the "Network options" chapter.

UPnP server

UPnP means „Universal Plug and Play". The M740 features an integrated UPnP server which makes it possible to make the media data like movies, music, and pictures stored on its internal HDD available to other UPnP capable devices in the same network.

But the M740 does not only act as a server, but it can also be a client and access/play back media data provided by other UPnP capable devices in the same network.

The M740 in server mode
When used as a server, the M740 provides its media data via UPnP in the network it is connected to. These files can be accessed by additional players (clients) connected to the same network.

Which requirements must be met for UPnP server operation?
• Min. firmware version 1.2.3.5
• Retrofitted internal 3,5" SATA hard disk
• Hard disk must have been formatted with the M740
• Additional software packages must be installed
• Options in the "System" menu must be changed accordingly

How to activate the UPnP server?
The following is a step-by-step explanation about how to configure the UPnP server function on your NOXON M740.

Please make sure to use the latest Firmware version from our website:
http://www.terratec.net/en/drivers-and-support.html

Step 1: Firmware check/update
Use the navigation and "OK" buttons of your remote control to select the folder "Options" > "System". The sub item "System Reinstall" shows the version of the firmware which is just running on your device. This this version number is lower than 1.2.3.5, you will need to install a new firmware before proceeding.

Please follow these steps to do so:
• Download the latest firmware for your M740 from the following website: http://www.terratec.net/en/drivers-and-support.html
• Copy the file "install.img" into the main directory of a USB memory stick
• Connect this memory stick to one of the USB ports of your M740
• Select "System Reinstall" and confirm with "OK"
• *Important:* Do not switch the unit off while the firmware update is in progress!

Step 2: Install an internal hard disk
Please use a 3,5" SATA standard model, preferably with a speed of 5,400 RPM in order to keep the noise level as low as possible. Before installing the hard disk, please make sure to disconnect your media player from mains. Now open the SATA bay (19) located on the back panel and insert the HDD carefully with the connectors showing towards the bay and the label showing up. Please make sure not to retain the cover while doing so. After noticing a soft click you can close the cover of the bay.

Step 3: Format the hard disk
In this next step the hard disk will be formatted and prepared for the UPnP server mode.

To start formatting, please select „Setup", „Options" and „HDD Format" in the main menu. A sub-menu will open in which you can select the specific hard disk to be formatted. In our example it is called „HDD1". A warning will appear.

ATTENTION: Formatting your HDD will delete all files stored on it. Please make sure to backup existing files to another storage device if you will need them in the future.

Next you will be asked for confirmation once more. Select "Format" if you are sure you want to proceed.

Step 4: Installing the required software
The required software packages for the UPnP server mode will be installed automatically after your NOXON has finished formatting the inserted hard disk. Once the installation has been completed, push "OK" in order to re-boot your media player.

Step 5: Activating the UPnP server mode
Finally, the UPnP server mode needs to be activated. In order to do so, please navigate to „System" > "RC Power Key Function". Then press the power button on your remote control to activate the UPnP server.
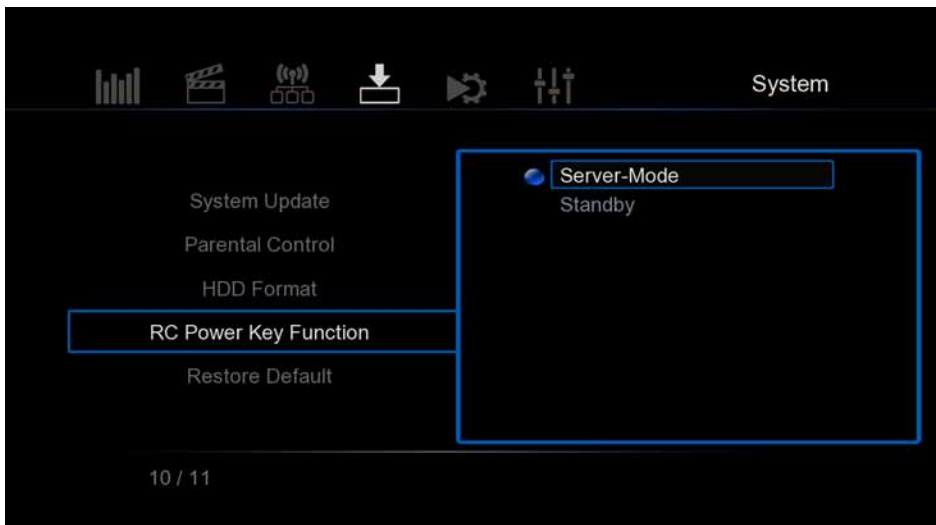
Note: After pressing the power button on your remote control you have the opportunity to cancel the activation process by pressing the button again. Your NOXON will enter the standby mode without activating the UPnP server mode.

A successful UPnP activation will show a "UPnP Server is active" message on your TV

screen. Now are the media files in the folders „image", „movie" and „music" on your hard disk are shared in the network. Other UPnP clients in the same network (e.g. NOXON iRadio) will now show the entry "NOXON M740" in their UPnP server list. This might show up on the clients only after a slight delay.

For advanced users: You can also activate the UPnP server mode while the device is running by pressing the blue button on your remote control. However, this may reduce the performance of your NOXON M740 and the UPnP client.

Adding new media files
You can transfer videos, pictures or audio files from your USB sticks, hard disks or memory cards to your M740 with the integrated file manager. You can also connect your NOXON M740 to your computer via the USB connector (18) on the back of your device and use it as an external hard disk. If the UPnP server mode is activated, files can also be transferred from a device in the same network the NOXON M740 is located in, for example by inserting the IP address of your M740 (e.g. \\192.168.1.19) in the address bar of the Windows Explorer.

ATTENTION: To access your files via the UPnP server please make sure to place them into the correct corresponding folders. In other words, copy your video, picture, and music files into the folders "movies", "images" and "music". The UPnP database will update itself every 60 minutes. This may result in a delayed availability of your newly added files. To shorten this process you can restart your media player after adding new files.

How to access the provided files
Once the M740 is set to server mode, external UPnP capable clients can access the files located on its internal HDD. For example, on a connected Windows PC you will find the M740 as a new device in the network environment. On a Mac you can find the M740 in the "Shared" tab of the Finder.

The M740 in client mode
When used as a so called client, the M740 can access and play back media data which are hosted by another device via UPnP in the same network. Please make sure to run the M740 in standard and not in server mode if you want to use it as a client. Of course, you need at least one additional UPnP device acting as the server in this scenario.

Microsoft Windows
Windows Media Player (Version 11 or 12) is the simplest way to add such a server, since it already has this service built in. Via the "Stream" menu item, select the "Enable media streaming" function.

In the following dialogue you now have to enable this service explicitly and then activate the corresponding devices, if you have multiple receivers. Now the NOXON can access the music data in your library.

Mac OSX
Unfortunately, Apple does not supply any UPnP program itself, so it is necessary to rely on a third-party supplier. Elgato offers a solution with its EyeConnect software. This is available for free as a trial version and can be used with the full range of its functions (including video streaming) for 30 days.

Even after this period, however, the Lite version remains available, which makes audio files in the network available without restrictions. You will find this software at Elgato's website: www.elgato.com.

Handling

Typical applications

Listen to music from a USB memory stick
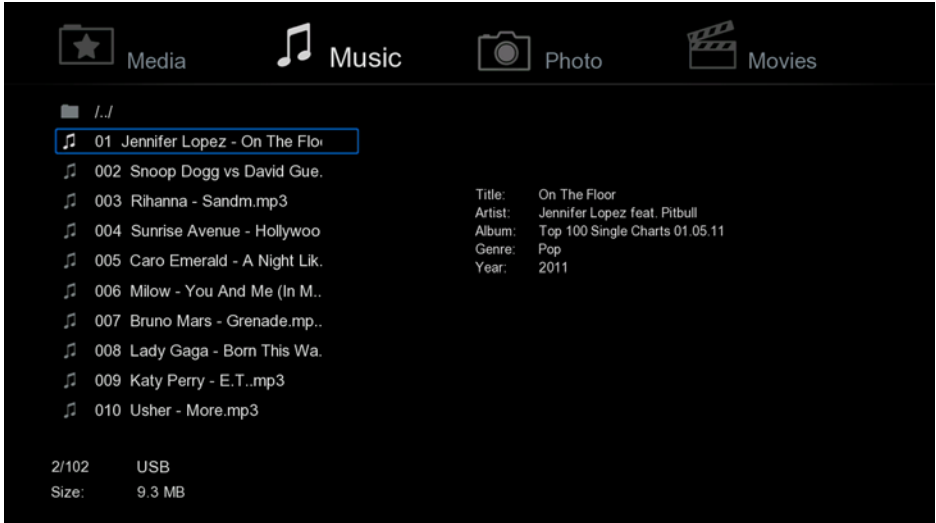
- Plug a USB memory stick into one of the USB ports on the front (5) or the back (17)
- Starting from the main menu, use the navigation buttons Left/Right to access the "Music" menu
- Use the navigation buttons Up/Down to select the "USB" submenu and confirm with "OK"
- If the music you want to play is not located in the root directory of your USB memory stick, use the Up/Down navigation buttons to select the desired folder and press "OK" to access this folder
- Select the song you want to start with the Up/Down navigation buttons and press "OK" to start playback

Watch photos from a memory card
- Insert a memory card into the card reader on the front panel (4)
- Starting from the main menu, use the navigation buttons Left/Right to access the "Photo" menu
- Use the navigation buttons Up/Down to select the "Card" submenu and confirm with "OK"
- If the music you want to play is not located in the root directory of your USB memory stick, use the Up/Down navigation buttons to select the desired folder and press "OK"

to access this folder
• Select the photo you want to start with by the Up/Down navigation buttons and press "OK" to start the slide show

Watch a movie from the internal hard disk
• This requires the installation of a 3.5" SATA hard disk (not included). Please have a look at "Installation - Internal Hard Disk" for more information.
• Starting from the main menu, use the navigation buttons Left/Right to access the "Movies" menu
• Use the navigation buttons Up/Down to select the "HDD" submenu and confirm with "OK"
• If the music you want to play is not located in the root directory of your USB memory stick, use the Up/Down navigation buttons to select the desired folder and press "OK" to access this folder
• Select the movie you want to watch with the Up/Down navigation buttons. The preview located on the right side of the screen will help you making your selection. Now press "OK" to start your home cinema

M740 used as network file server
• This requires to setup your M740 for network use, the installation of a 3.5" SATA hard disk (not included) and the installation of a UPnP server software. Please have a look at "Setup - UPnP server" for more information.
• Use the power button of your remote control to activate the UPnP server mode. Once the short initialization has been completed, other UPnP capable devices in the same network can access and play back media files locate on the internal HDD of the M740.
• You can also activate the UPnP server functionality while the M740 remains in standard mode by pressing the blue button (5) on your remote control. However, this may reduce the performance of your NOXON M740 and the UPnP client.

Main menu
The main menu of your NOXON M740 consists of the following items:
Media, Movies, Music, Photo, Data, Setup

You can navigate between the main items using the Left/Right navigation buttons on the remote control and select additional options within a main item using the Up/Down button. Use the "OK" button to confirm your selections or execute functions.

The sources from which you can play back your media are available by using the Up/Down buttons in the Media, Movies, Music and Photo menus. Depending on which data carriers you have connected to your M740, some options may be displayed or hidden. Thus, for example, the USB storage medium item is displayed only if you have also connected a USB data carrier.
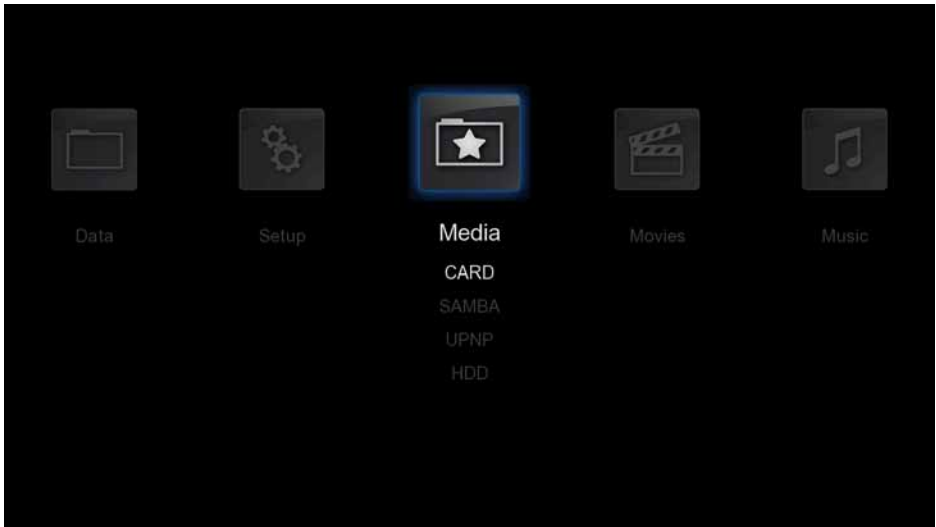
You can always use the "Before" button (14) on your remote to return to the window where you had been before changing to the one which is currently displayed. Also, the main menu button can be used in any situation to return back there.

Note: If you have selected the Photo menu item, for example, although you wanted to call up Movies, you do not have to navigate back to the main menu overview. After the selection, you can switch the display between videos, photos and music via the Left/ Right navigation buttons. The currently selected filter is displayed at the upper edge of the screen!

Media menu
This menu shows a list of all movies, photos and music available on a selected storage device. Please find the supported file formats in the following chapters and in the appendix. File formats which are not supported by the M740 will not be shown in the list.

Starting from the main menu, use the navigation buttons Left/Right to access the Media menu, select a storage device and confirm with "OK".

Now you can use the Up/Down, "Before" and "OK" buttons to navigate through the folders. On the right side you will find a preview for movies and images (if available) or further information on songs. Once you have found the media files you were looking for, just press "OK" or "Play" for watching or listening to them.

Movies menu

This menu functions the same way the Media menu does. However, while the Media menu lists all available media files including pictures and audio files as well, the movies menu only shows the video files available on the selected storage device. You can play back movies in the following file formats: MPEG-1, MPEG-2, MPEG-4, Xvid, WMV9, ISO, VOB, IFO, MP4, DAT, MOV, AVI, MKV, TS and M2TS.

Music menu

This menu exclusively lists the audio files available on a selected storage device. The supported file formats are MP3, OGG, WMA, WAV, AAC, and FLAC.

Photo menu

Finally, this menu only shows the image files on a selected storage device. The supported file formats are HD-JPEG, JPG and BMP.

Data menu

This menu makes it possible for you to move or copy video and music files and photos conveniently between several storage devices. This way you can e.g. copy videos or photos from external data carriers such as an SD card or USB stick to the internal hard drive (not included).

Starting from the main menu, select the Data menu via the "OK" button on your remote control. Now you will see two columns – on the left side there is a list of possible source data carriers and on the right side you can find possible target data carriers.
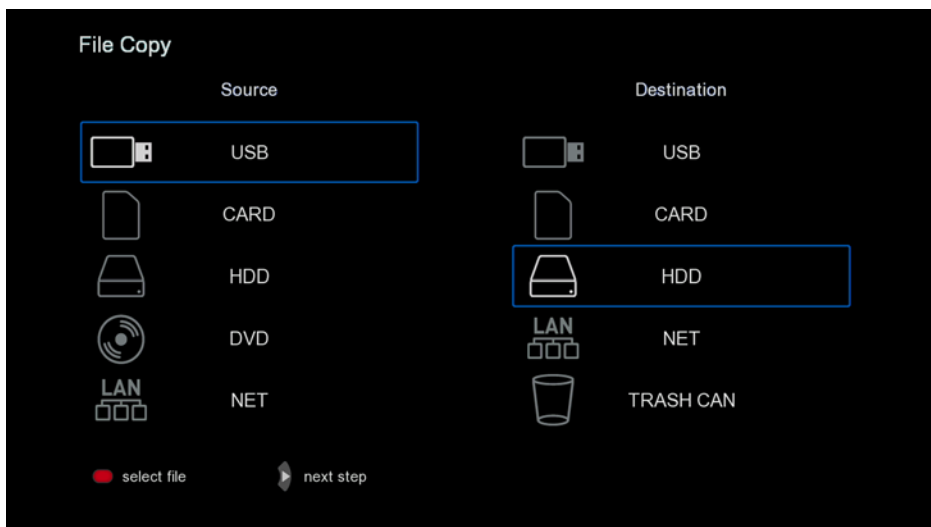
First, on the left side, use the Up/Down navigation buttons and the "OK" button to select the source drive from which you would like to copy files. The M740 then automatically jumps into the target window where you can select a drive the same way. Should you want to change the source drive at this point, use the Left navigation button to return to the source window.

Note: The file manager always shows all supported source and target storage devices – even when they are not connected at the moment. For example, the items "Network" or "DVD" (for an external DVD drive connected via USB) will be shown even when only a USB memory stick and the internal HDD are connected to your M740. However, files can only be transferred between currently connected targets and sources.

The next step takes you to the list of available files. Should you use sub folders to organize your files, you can select the desired folder with the Up/Down navigation buttons and access it with "OK". Now use the Up/Down buttons to go to the movie, music and image files you want to copy or move and select them with the red option button on your remote. Pressing the red button on an already selected file will deselect it.

When you have finished selecting files, press the Right navigation button in order to select a target folder the same way used for the source. You can also use the "New directory" function and the automatically displayed on-screen keyboard to generate and name a new target folder. After you have selected the desired target folder, press the Right navigation key again.

This will give you the following options:
• Copy*:* Writes a copy of the selected source files into the target folder. The source files remain in their original location.
• *Move:* The selected files are removed from the source folder and moved into the target folder.
• *Cancel:* Returns to the previous file selection window.

WARNING! If you select trash as the target directory, the selected files will be irretrievably deleted!

Setup menu
Use this menu to configure all available options on your M740. Starting from the main menu, use the navigation buttons Left/Right to access the "Setup" menu and confirm with "OK". Now you will be shown six submenus which you can select with the Left/Right navigation buttons: Audio, Video, Network, System, BD/DVD and Misc.

If you want to access a specific function in one of these submenus, select the one you are looking for with the UP/Down navigation buttons and confirm with "OK". The "Before" button takes you back to the previous window if needed.
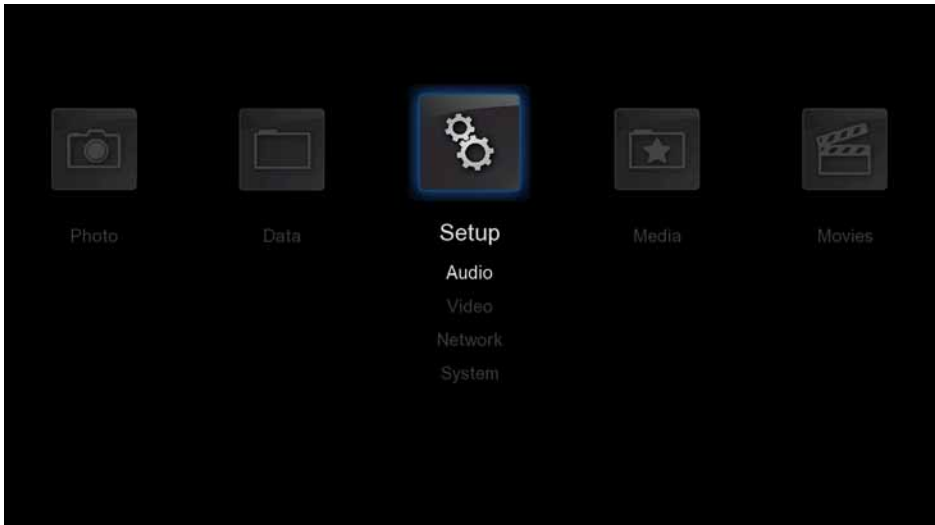
Audio options
Night Mode
The maximum volume and the intensity of changes in volume (dynamics) can be reduced in two steps ("On" and "Comfort"). This helps you to maintain an adequate volume e.g. during night time.

Default Audio Setup
Choose a digital output for audio signals and a corresponding mode.
• *HDMI Dual CH (downmix)*
  Stereo signals will be transferred as such, but surround signals will also be converted into stereo. Use this option if you are listening on the integrated stereo speakers of a TV set which has been connected via HDMI.
  HDMI Multi CH
  This mode will not convert surround signals into stereo like above, but transfer them as multichannel audio via HDMI.
  HDMI RAW (BITSTREAM)
  This mode will transfer digital audio signals without any changes via HDMI. Use this option if you want to transfer digital audio signals like Dolby Digital, DTS or MPEG to an external digital hi-fi receiver.
  S/PDIF DOWNMIX PCM
  The same as above, but in this case the digital audio signals will not be transferred via HDMI but through the S/PDIF output of the M740.
• *S/PDIF RAW (BITSTREAM)*
  The same as above for S/PDIF instead of HDMI.

Advance Audio Setup
This item lets you define special output settings for various audio modes (AC3, DTS, AAC, WMA Pro). This is useful if, for example, your television does not support DTS output. In this case, you can route the audio output via S/PDIF if a DTS audio channel is present.

Video options

Aspect ratio
- *Pan Scan 4:3*
  Makes a widescreen image fill the entire screen, cutting off the outermost left and right ends. Select this if a standard 4:3 TV is connected.
  Letter Box 4:3
  Displays a widescreen image on a 4:3 TV with black bars at the top and bottom. Select this if a standard 4:3 TV is connected.
- *16:9*
  Sets the aspect ratio to 16:9. Select this if a 16:9 widescreen TV is connected.
- *16:10*
  Sets the aspect ratio to 16:10. Select this if a 16:10 widescreen TV is connected.

Video system
Select the a combination of resolution and frequency which corresponds with the specifications of your TV set. You can find this information in the manual of your TV. If you are using the HDMI cable, set this option to HDMI Auto which will automatically identify the correct values for you.

SD video system
Here you can choose the video standard which is broadcasted in your country:
- *PAL*
  Europe, Greenland, parts of Africa and South America, the Middle East, China, India, Australia and Indonesia.
- *NTSC*
  United States, Canada, Japan, Mexico, The Philippines, South Korea and Taiwan.

1080P 24Hz
The so called "cinema mode". Some movies can be played back at 24 images per second, just like with the original film reels in the cinema. If this option is active, the M740 can play back such movies without any conversions which could otherwise reduce the image quality.

Scan mode
- *Full Pixel (Just Scan)*
  For LCD, Plasma or LED TVs with a digital connection

- *CRT TV (Over Scan)*
  For TV sets with Cathode Ray Tubes (CRT)
- *LCD TV (Over Scan)*
  For LCD, Plasma or LED TVs with an analogue connection

Preview Set Time
This option lets you select at how many percent of the total runtime of a movie the preview starts. This way you can easily skip intros and trailers in order to let the preview start right in the middle of action.

Brightness, Contrast, Hue and Saturation
We have selected the defaults to provide a well-balanced picture, but if you want it brighter, more colourful or with higher contrast, you can make all the adjustments to suit your needs here.

Digital Noise Reduction
If you notice annoying image noise or pixelated frames, you can improve the image quality within certain limits by activating this function.

Network options
Wired LAN Setup
- *DHCP IP (Auto)*
  Most routers and switches can be connected with the M740 without extended knowledge of networks. Select this option if your router supports DHCP and if you do not want to set up a fixed IP address.
- *Fix IP (Manual)*
  Select this to enter the IP address, subnet mask, default gateway and DNS server IP address manually.

Wireless Setup
The optional NOXON WLAN stick (not included) must be plugged into one of the USB ports of the M740 in order to set up a wireless network connection. Please also refer to the manual which comes with the WLAN stick.
- *Connection profile*
  Your NOXON M740 can store up to three WLAN connections. Press "OK" to go to the next step, the "Before" button to cancel.
- *Connection mode*
  Choose between Infrastructure (AP) and Peer to Peer (Ad Hoc). *Note:* If you have a normal DSL router, you will usually use Infrastructure. If your router supports a so called "WiFi Protected Setup", you can choose WPS as your connection mode. The Peer to Peer mode (also called Ad Hoc or Computer to Computer mode) is used in order to directly connect WLAN capable devices with each other - you will not need a wireless router or Access Point in this case.

- *SSID Name*
  This menu shows a list of available wireless networks together with their signal strength and encryption. The abbreviations "WEP" (Wired Equivalent Privacy) and "WPA" (WiFi Protected Access) in the security list indicate that the network is encrypted. This means that a key is needed to have access to this network. "None" in the list means that the network is open and unencrypted.
- *WEP/WPA key*
  The password for encrypted networks can be entered via the on-screen keyboard using the remote control. Use the navigation buttons to select and press "OK" to enter the desired characters. Press "CAPS" to permanently toggle between upper and lower-case letters, "<-" to delete a character, "[_]" to insert a space, "shift" to insert a single upper-case letter, and "OK" in order to confirm your entries and proceed.
- *Connection test*
  The test process can take some time – please have a little patience. If the test is successful, the network information (profile name, IP address, subnet mask, gateway etc.) will be displayed on the screen afterwards.
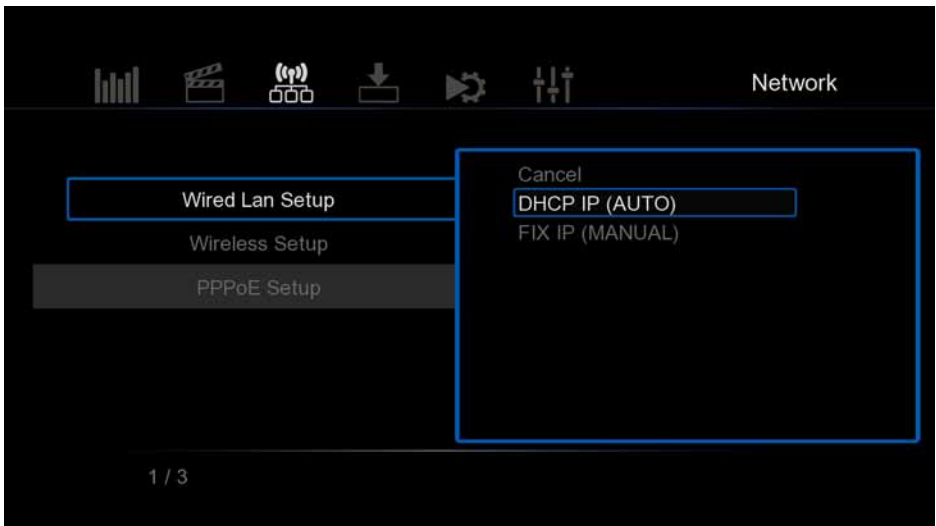
System options
Menu language
Select the OSD (On Screen Display) language here.

Text Encoding
"Unicode (UTF8)" should be used for most countries. However, you can make different settings for countries which are using a specific character set (e.g. Greece and Turkey).

Subtitle Automation Recognition
If a synchronised movie uses subtitles for dramaturgic reasons (e.g. Klingon or Elfish), this stylistic device is called "Forced Subtitles". You can activate or deactivate these being displayed here.

Subtitle Font
You can choose from several styles of lettering/fonts for displaying movie subtitles.

System Info
This sub menu lists installed services like Samba and UPnP servers. If you want to install such components, please go to the next menu "System Update".

System Update
* *Extension Package Upgrade*
  Use this sub menu to install additional services like Samba and UPnP servers. This requires retrofitting an internal SATA hard disk (not included) first. Please press "OK" only once and then have a little patience, as the installation will take a short while.
* *System Reinstall*
  Use this sub menu to install an updated version of the M740 firmware. Please read the chapter "Setup: UPnP Server" for details on how to proceed.

HDD Format
This menu item executes the program to format your internal hard drive (not included). *Attention:* If you format your HDD, all data on the drive is deleted and cannot be recovered!

RC Power Key Function
This option determines the function of the standby button (2) on your remote control.
* *Server Mode*
  Pressing the standby button once activates the server mode, while pressing it a second time will set your M740 into standby mode.
* *Standby*
  Pressing the standby button activates the standby mode immediately.

Restore Default
Select this menu to reset all settings you have entered and restore the factory defaults of the device.

BD/DVD options
Audio Language
Choose a language for the audio tracks of your movie (of course, this language must be included in your movie file).

Subtitle Language
Here you can choose the language for the subtitles (which also needs to be included in your movie file in order to be displayed).

R/RW Auto-Play
If you have connected an external CD/DVD drive via USB and you have activated this option, playback will start automatically when a disc is inserted into this drive.

Angle Mark
Some movies feature views from several camera perspectives/angles. Here you can choose if your M740 can access these or not.

BluRay Folder AutoPlay
Some movies have not been saved as one complete big file, but have been sliced into several smaller ones instead. If this option is active, the M740 can play several associated single files in one run without interruption.

Misc options
UI Change Effect
Sets the speed at which the M740 cross-fades from one menu to the next one.

Resume Play
This option, when enabled, stores the position at which you interrupt a movie. The next time you call up the movie, the M740 offers to resume playback from this point.

Slide Show Timing
Select the interval time for slide shows here, i.e. how long the individual pictures will be displayed. If this option is set to "Off", the images will not be displayed in an automatic slide show, but have to be triggered manually with the Skip Back/Forth buttons (13).

Transition Effect
Select one of several transition effects between photos in slide show mode.

Ken Burns
This option enables/disables the characteristic slide show visual invented by Ken Burns.

TS Seamless playback
Plays multi-part TS files that belong together in one run without interruption.

Background music
If the directory on your storage medium that holds the images also contains additional audio files, these can be played when the slide show starts. You can enable/disable this option here.

Screen Saver
The M740 features a screen saver which becomes active after a longer period of inactivity. You can activate and deactivate this function here.

Movie Preview
The automatic movie preview can be disabled here.

Navigation Key Functions
- *Subtitle Adjustment*
  The navigation buttons are used to change the position of the subtitles during playback.
- *Playback Control*
  The navigation buttons are used to skip back/forward in a movie on an overlaid time line during playback.

M740

Appendix

Technical specifications

Video formats:
MPEG-1, MPEG-2, MPEG-4, Xvid, WMV9, ISO, VOB, IFO, MP4, DAT, MOV, AVI, MKV, TS, M2TS

Audio formats:
MP3, OGG, WMA, WAV, AAC, FLAC including DTS, Dolby Digital, WMA and AAC-downmix support

Image formats:
HD-JPEG, JPG, BMP

Connectors:
- Power supply:
  230 V~ 50 Hz, Maximum power consumption 12 W
- SATA:
  - External SATA hard disk drives (not eSATA)
  - Internal SATA hard disk bay 3.5" format
- Video:
  - HDMI 1.3a (up to 1080p/60Hz)
  - Component (RGB)
  - Composite
- Audio:
  - Analog (stereo)
  - S/PDIF coaxial (stereo and surround)
  - S/PDIF optical (stereo and surround)
- LAN:
  10/100 Mbps, RJ-45
- USB:
  3 x USB 1.0/1.1/2.0 up to 480 Mbit/s
- PC/Mac:
  File exchange via USB when an internal SATA drive is retrofitted
- Card reader:
  SD/SD-HC/MMC/MS/MS Pro

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