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Gentle G192 Media Options

behold

true digital audio

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Display and Buttons

Title View



Now Playing View



Functions of the G192-Media Player

Many of the functions are self explaining. For this reason only those will be dealt with whose button features are not to be seen at first sight.

“Play Back” and “Previous Title”

Behind the “Play” button the “Pause” is hidden. If the “Play” button is hit the play back process is started and the “Pause” button appears. If “Pause” is pushed the player will stop immediately at this point of the track and the “Play” button appears again. If now “Play” is hit again the track will be played back from this dedicated point and not from its beginning. The function to get to the start of the track is done through the “Previous Track” button, but only during play back not in stop position. The button “Previous Track” has also the function giving it its name. To achieve that the track must not be played longer then 2sec.

“Repeat”, “Shuffle”, “Title”, “Album” and “Artist”

With the “Repeat” button active alone all the contents of the storage media will be played back in alpha numeric order as they are stored on there. This means it starts with the top most genre, then artist, all the albums of the artist. When all the tracks of a storage media are played back down to the bottom the process starts at the top again. “Repeat” activated together with “Title” will play back the actual title endless. “Repeat” together with “Album” will repeat the content of the album. Same applies on “Artist”.



For “Shuffle” applies: being single all tracks on the storage media will be played back randomly. “Shuffle” together with “Title” doesn’t make true sense, but will do the same thing as “Repeat” activated together with “Title”. “Shuffle” together with “Album” will play back randomly the content of the album. Same applies on “Artist”.

The Choice of the Storage Media



The button on the very left top offers the selection of the storage media. This doesn't apply for the obvious storage media as USB-Stick, CD or HDD, independent if internal or external but for playlists too. Playlists allow to point to the Internet (Internet Radio). Playlist must be located somewhere, at least on a storage media.

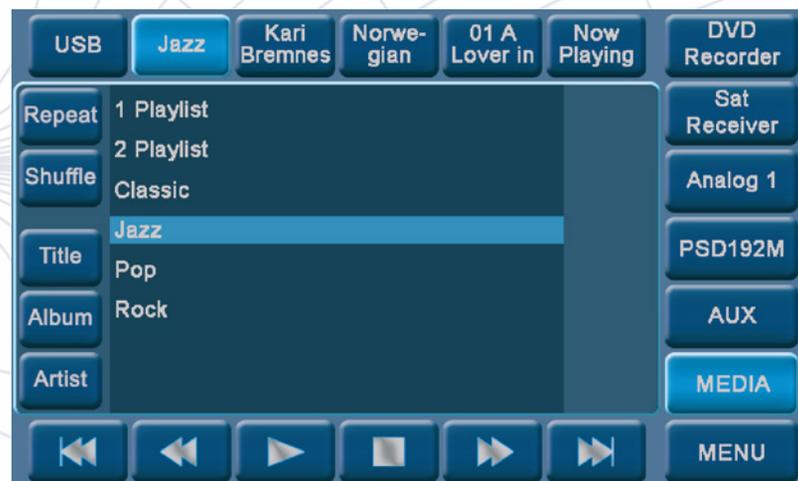
At the first place the internal hard disk will be displayed in case of presence.

After that the USB devices as USB-Stick and external USB hard disk will follow.

The CD-Drives will follow next: CD, CD.2, CD.3 and CD.4, this is because up to four CD-Drives can be attached. Something special applies here: the only will be displayed on the screen if a recognizable audio-CD is contained in the drive and its directory already read. If removed the entry will disappear immediately from the list. A new put in CD will appear only after recognition and ready for play back.

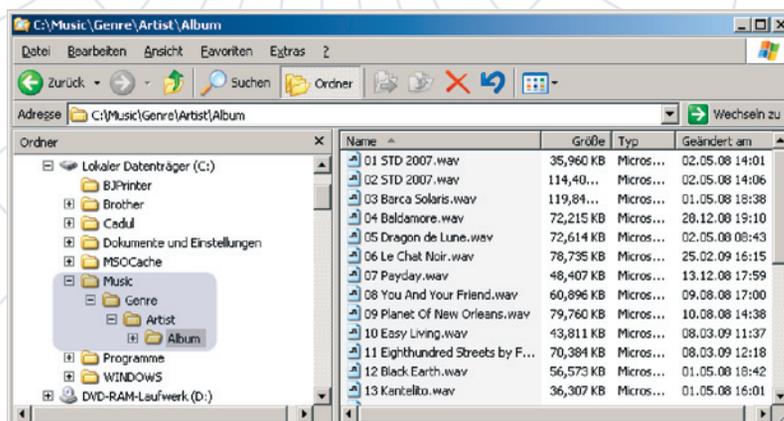
Genre, Artist and Album

The button next right (second from very left) intended for use as genre of the music. This is not a must, it can have whatever meaning. But the buttons further on the right get their meaning by position in the tree of directories. This is especially true since the functions of "Repeat" and "Shuffle" point on "Title", "Album" and "Artist" and for this reason they need to be at the right place with the tree of directories. So if genre is dropped the "Repeat" and "Shuffle" functions will point to the wrong place. The stored music will be played as long as it is selected manually on the screen or by remote.



Tree of Directories

The shown tree of directories structure can be generated by iTunes (PC or MAC) externally during the ripping process. If other programs are used for ripping it might be necessary to create this structure manually.



This can be advantageous if ones own ideas of inscription and allocation shall happen.

The Gentle G192-Media Player in any case needs a folder named „Music“. This is to make sure that other data on the storage media will not be recognized from the very beginning. From this "Music" folder down everything will be read and files ending with "WAV" and "MP3" will be understood as music for play back.

Playlists

If playlists shall be used it is recommended that they are copied into the „Music“ folder. This achieves that all can be processed “down wards” from there and all can be done through relative paths as most found on M3U lists. But absolute paths can be used too to playback music from a totally different place. For example music stored on the internal hard disk shall be controlled by a playlist stored on a USB-Stick. In this case the playlist needs to use absolute paths.



Various Stages of Completion

30sec of Demo Mode

The Gentle G192 comes with the G192-Media Player built in from the beginning. The player is activated by pushing the input button “MEDIA”. If playable content is detected it can be played back, regardless where it is located. Since the G192-Media Player is a software the “free” access is limited and for demo purposes only if the option is not activated: after starting a track to play a message box appears telling that this is a demo mode and the track will be played only for 30sec. But, of course, those 30sec of playback are at full performance of the player. The message box must be quitted by touching OK. The track will play the 30sec and then stop. The procedure of selecting any track, starting it, quitting the box and playing the demo can be done as often as one likes.

License Keys

To avoid the limitation different software license keys are available. Every key is only valid for one single Gentle G192 unit, identified by its SN° and for the option chosen. Once activated it can't be removed. The key has the following format: **7CD5-9BC5-15D5-5D77**

G192-Media Option -USB



The least expensive G192-Media Player option is the –USB option. It runs music from an external USB-Stick and/or a behold (-EHD option) and/or non behold external USB-HDD-Drive. The non behold sources need to be prepared by the customer and have to be FAT32 (PC and MAC applicable) formatted. Music at sample rates of 44.1/48/96kHz at 16Bit Stereo will be accepted in any case. According to today's knowledge 2TB is the storage space limit.



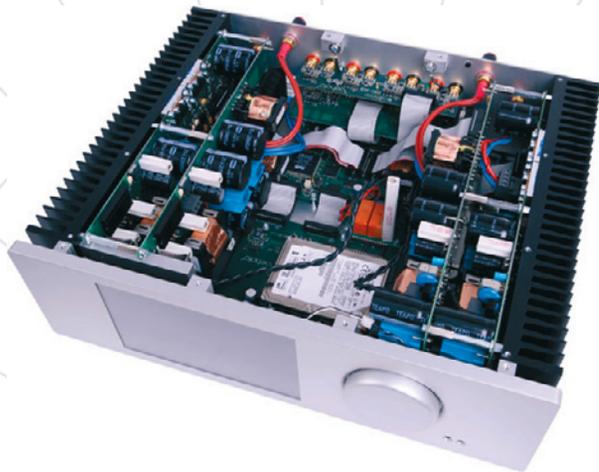
This option allows to play back music not only through the final stage amplifier of the Gentle Integrated Amplifier, but will be outputted on the optical output (Toslink) as a line out with always full scale (0dB). This output will NOT be manipulated by the audio processing capabilities of the Gentle G192.

G192-Media Option -CDR

This option incorporates the –USB option plus an external CD-ROM drive in Gentle design. The drive itself is a high quality DVD burner and can be used as such. The necessary software to do so is included in the package. Not only one CD drive can be attached to the Gentle but a total of four.



G192-Media Option -HDD



This option incorporates the –CDR option plus an internal hard disk with 120GB. All the features describe above apply to this option.

G192-Media Option -EHD



This is an external Gentle design USB-HDD-Drive with minimum 500GB storage capacity already prepared for use on all Gentle G192-Media-Options. It needs to be filled with music by the customer using the USB-2.0 connectivity according the procedure describe within this manual.

USB-Hubs and Extension Cables

USB-Hubs



Since the Gentle G192 offers only two USB-Host connectors it's necessary to use one or more external USB-Hubs to "multiply" connectivity. A simple and practicable solution is to use USB-Hubs dedicated of laptops. In many cases they are small and offer a one-to-four multiplication without the need of additional power supply. The Gentle G192 is feeding the needed +5V through the USB connectors, a total of up to 500mA, almost sufficient to drive the USB-Hubs and USB-Sticks. Connecting an external USB-HDD-Drive in many cases needs an additional power supply since the drive and adapter take more then the power the Gentle G192 is offering. And since up to four drives can be placed in any case additional supply is applicable.

To separate an external USB device from the Gentle G192 so extension cables can be used. In short distances up to 5m a good quality passive cable will do. At the end of such a cable a USB-Hub can be placed to multiply for USB-Sticks, USB-HDD-Drives or USB-CD-Drives. If the extension shall exceed this distance an active USB extension cable must be used. Those cables offer a repeater function in the middle or at the end of the cable to compensate cable losses. We tested four of them to get an extension of 20m. The power feeding of the active cable comes in any case from the Gentle G192, except when directly on the Gentle a USB-Hub fed by an external power supply is used.

USB Extension Cables



Technical Data Gentle G192-Media Options

Software Version GMB: V2.103 and GIP: V1.108 both dated 15. Oct. 2009

-USB and -CDR Option:

Storage Media:	USB-Stick, USB-Hard-Disk, USB-CD-Drive
Maximum size:	2TByte
Recommended connectivity:	USB 2.0
Minimum reading speed:	10MByte/sec

-HDD Option:

Storage size of the internal hard disk:	120GB (gross)
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-EHD Option:

Storage size of the external USB-Hard-Disk	500GB (gross) min. 2000GB (gross) max.
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Relevant hardware features of the G192:

Format of the digital audio output:	S/PDIF optical only
Data rate of the digital audio output:	96kHz 24Bit fixed
USB-Host-Connections:	two times USB1.1
Maximal current USB-Host-Connections:	500mA both together

Parameters of power supply for -CDR and -EHD:

Mains, single phase, nominal:	100V to 240V, 50 to 60Hz
Power consumption power supply alone standby:	ca. 3.9W
Power consumption power supply for -CDR in operation:	ca. 8.1W (play) ca. 13W (search)
Power consumption power supply for -EHD in operation:	ca. 10W (play) ca. 22W (start-up)

Temperatures for -CDR and -EHD:

Room temperature:	+10°C/+50°F to +40°C/+104°F
Temperature range operating (room temperature: +20°C/68°F):	+10°C/+50°F to +37°C/+99°F
Storage temperature (transport also):	0°C/+32°C to +70°C/+158°F

Mechanical Figure for -CDR and -EHD:

Type of housing:	Aluminum
Available color:	Al-nature anodized with black cooler
Dimensions without connectors and feet in mm (WxHxD):	180 x 49 x 261
Dimensions with connectors and feet in mm (WxHxD):	180 x 52 x 268
Weight of the -CDR without power supply:	ca. 1.97kg / 4.34lbs
Weight of the -EHD without power supply:	ca. 2.03kg / 4.48lbs
Weight of the -CDR and -EHD Power Supply:	ca. 230g / 0.5lbs
Weight of the packaging and accessories:	ca. 570g / 1.3lbs
Maximum weight with packaging and accessories (shipment weight):	ca. 2.8kg / 6.2lbs

Safety and CE-Approval:

Electrical Safety:	according EN 60065: 2002
Emission:	EN 55013: 2000, EN 61000-3-2: 2000 and EN 61000-3-3: 1996
Disturbing influence:	EN 55020: 2000
Electrical discharge:	EN 61000-6-1: 2001

State of information: 13. March 2010. Data given are subject of change without notice.

Company Information



Build in 1728



Manufacturing

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Vice-President: Gisela Ballmann

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