AUDIONET

ART G2

Aligned Resonance Transport
Compact Disc Player

User's Manual

Contents

1   Preface

The Audionet Team congratulates you on your purchase of this unit.

The predecessor model ART V2 is considered to be one of the best-sounding CD players ever made, boasting unique acoustic and design characteristics that convinced music-lovers around the world. An impressive list of test victories, distinctions, and awards testifies to the long and triumphant reign of the ART V2.

Presenting the next CD player generation, Audionet is aware of the obligations such a history imposes. The ambitious goal of ART G2 (**G**eneration **2**) is to surpass by far the performance of its highly decorated predecessor, and so add a new chapter to the ART success story.

ART G2 is geared towards the requirements of classical stereophony. Expert connoisseurs of high-quality musical reproduction will find the product not only delivers the aural satisfaction they dream of, but even opens up previously unknown musical realms. Combining craft with precision and presence, ART G2 fulfils its makers vision of pushing back the quality frontiers of classical CD playback to rival the standard of advanced high-resolution media. ART G2 is equipped with the potential to become a further milestone in audiophile acoustic art.

But before you start listening to your new Audionet ART G2, please read this manual carefully so you are able to use and enjoy all functions of this unit without drawback on music quality.

1.1   Included

Included you will find the following items:

- the Compact Disc player Audionet ART G2
- the remote control for ART G2
- the user's manual (that you are currently reading)
- one low resonance stabilizer made of black POM
- one standard mains cord.

1.2   Transport

 Important

- Please transport the ART G2 only in the included package.
- **Never** leave CD or the stabilizer inside the ART G2 during transport. The sensitive mechanics of the drive could suffer damage.
- Always use the plastic bag to prevent scratches on the housing.
- Please allow the ART G2 to adapt to the climatic conditions in your listening room after transport. As known for every optical device, low temperatures and humidity may cause the laser unit to be covered with condensation. Leave the drawer of the ART G2 open for several hours before switching on the first time after transport.

2 Overview front panel

AUDIONET

ART G2
CD - Player

play — **play** key
(also Skip)

back / pause — **back / pause** key

IR remote con-
trol receiver

Display

stop / set — **stop / set** key

power — **power** key
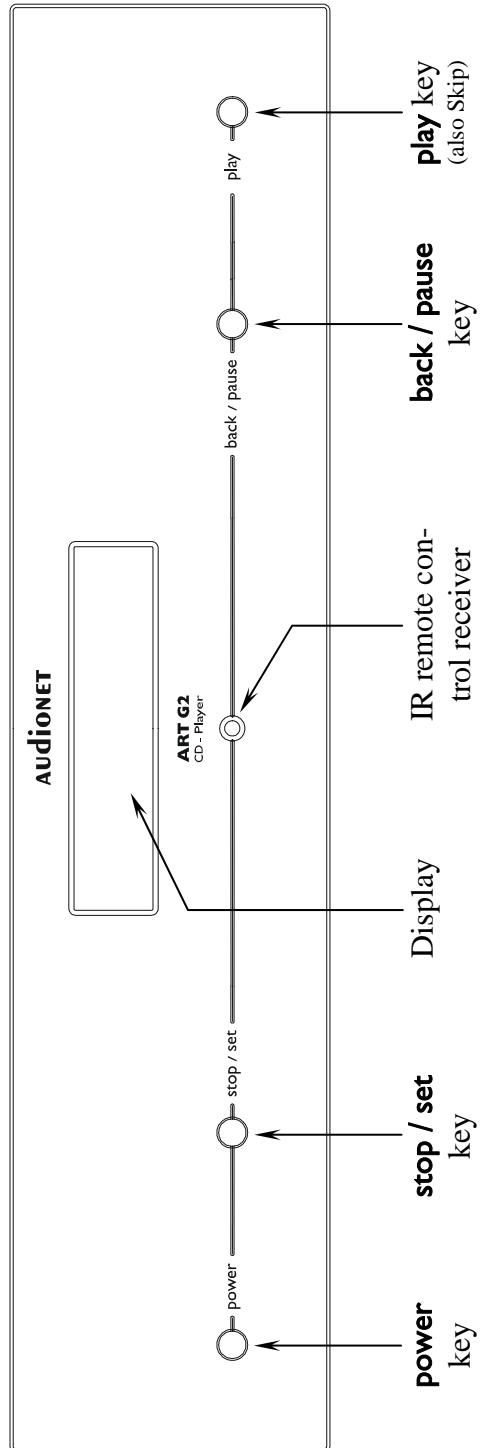
3 Overview back panel
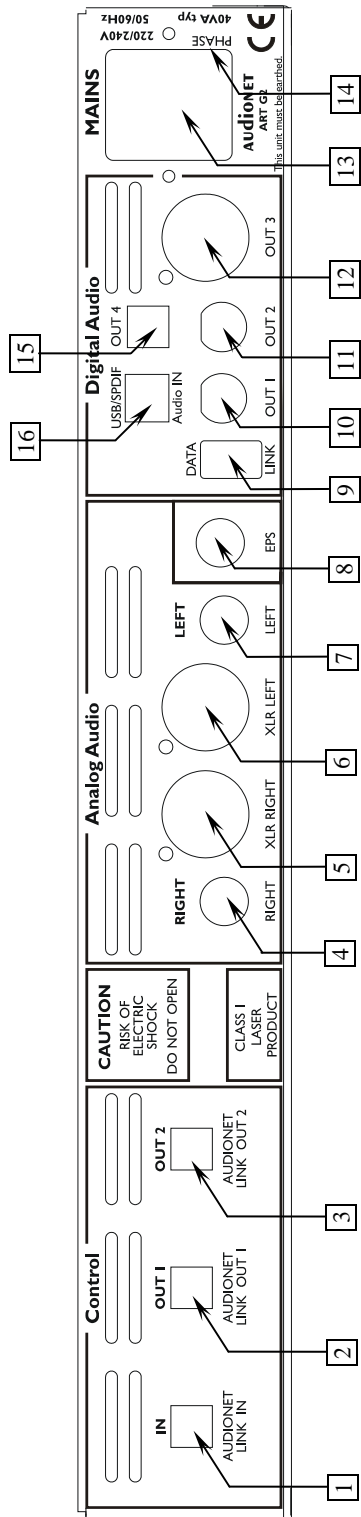
1. Audionet Link input
2. Audionet Link output 1
3. Audionet Link output 2
4. Analog output Right (Cinch)
5. Analog output Right (balanced)
6. Analog output Left (balanced)
7. Analog output Left (Cinch)
8. Input for external power supply Audionet EPS
9. Digital output Audionet DataLink
10. Digital output 1 (Cinch)
11. Digital output 2 (Cinch)
12. Digital output 3 (AES/EBU)
13. Mains input
14. Marking mains phase
15. Audio input USB/SPDIF
16. Digital output 4 (optical)

4   Installation and power supply

![Important warning icon] **Important**

- **During connecting or removing the ART G2 to/from a pre amplifier both units and the corresponding power amplifiers have to be switched off to prevent damage of the ART G2 or any of the other connected units.**

- **Please make sure that all cables are in absolute best conditions! Broken shields or short-cut cables could damage the ART G2 and/or any other connected unit.**

4.1 Placement

![Important warning icon] **Important**

- It is recommended to place the ART G2 into a high quality rack or onto a stable table.

- Do not expose the unit to direct sunlight.

- Do not place the ART G2 in close range to heat sources like radiators.

- Do not place the ART G2 on top of other units, especially not on top of power amplifiers, pre amplifiers or similar that produce heat. Both units could suffer damage from thermal overload.

- Do not use the unit in a place where it is exposed to vibrations.

- Do not place the unit close to loudspeakers or into the corner of a room where it is exposed to high levels of sonic energy, which might reduce the sound quality of the unit.

4.2 Mains connection

The mains input $\boxed{13}$ [*] is on the back panel of the ART G2. To connect the unit to mains use the included mains cord. If you prefer to use a different power cord make sure that it meets the specifications for your home country.

---

[*] see numbers in section '*Overview back panel*' on page 8.

9

⚠ Important

- **The electrical specifications of your home country must meet the electrical specifications printed onto the back panel.**

- The ART G2 is a Class I unit and must be earthed. Please ensure a stable earth connection. 'Phase' ('hot' pin) is marked on the back panel ('**PHASE**') 14 .

- Never pull the mains plug while the ART G2 is switched on! Always power down the unit to stand-by mode first, before you pull the mains chord from the mains input 13 on the back panel of the unit. Wait at least 3 minutes before you re-plug the unit to mains.

Only in case of extended absence (like vacations) or if massive trouble on the mains power is to be expected you should disconnect the unit from mains. To disconnect the ART G2 completely from mains pull the mains plug.

4.3 Orientation of mains plug

The correct polarization of mains is important for reasons of audio clarity and stability. Please connect the mains cord that the hot pin of the wall outlet is connected to the pin of mains input 13 marked '**PHASE**' 14 on the back panel of the unit. Your Audionet ART G2 is able to detect a wrong polarization of the mains plug during start-up. If the message

```
    ►      Attention:        ◄
    ► Mains Phase incorrect ◄
```

appears in the display, switch off the unit and flip the mains plug in the wall outlet (refer to section '*Mains phase detection*' on page 24).

4.4 Connecting the external power supply EPS

To use the optional external power supply EPS (External Power Supply) with your ART G2 follow these steps:

1. **Make sure both ART G2 and EPS are switched off and disconnected from the mains.**

2. **Connect the EPS with the included cable to input jack 8 on the back panel of the ART G2. The shape of the plug prevents any wrong polarity. The small 'nose' inside the plug has to face upwards. Now screw the ring of the plug onto the input jack 8 .**

3. **Connect both (!!) units (ART G2 and EPS) to mains.**

4. **Switch on the EPS at the back panel first.**

5. **Use key power at the front panel or key STBY of the remote control or keys** Power On **or** Power Toggle [*)] **of the Audionet System Remote Control** *Harmony 785* **to switch on the ART G2. The ART G2 is now ready to use and gets its power from the external power supply EPS.**

6. **To switch off the ART G2 into stand-by mode, use the key power on the front panel or key STBY of the remote control or keys** Power Off **or** Power Toggle [*)] **of the Audionet System Remote Control** *Harmony 785***.**

⚠ Important

- Never switch on or off the EPS on its back panel while ART G2 is switched on or during playback.

- For further information referring to the external power supply EPS please consult its user's manual.

⚙ Tip

- Use a high quality cable (for example the Audionet APC) to connect the EPS to mains. The sound will improve.

[*)] or use a corresponding Activity that you cutomized on your *Harmony 785* (see separate user's manual to the *Harmony 785*).

5   Outputs and inputs

⚠️   **Important**

- **During connecting or removing the ART G2 to/from a pre ampli-
  fier both units and the corresponding power amplifiers have to be
  switched off to prevent damage of the ART G2 or any of the
  other connected units.**

- **Please make sure that all cables are in absolute best conditions!
  Broken shields or short-cut cables could damage the ART G2
  and/or any other connected units.**

5.1   Outputs 'Analog Audio'
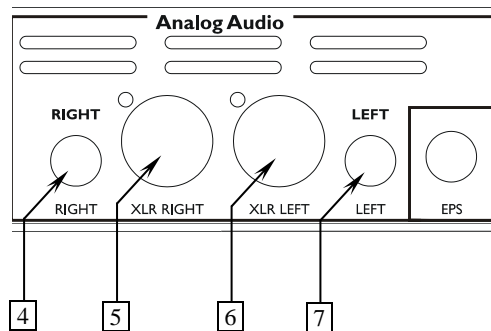
4   RIGHT
   analog audio output of right channel (Cinch)

5   XLR RIGHT
   analog audio output of right channel (balanced / XLR)

6   XLR LEFT
   analog audio output of left channel (balanced / XLR)

7   LEFT
   analog audio output of left channel (Cinch)

Connect the analog outputs 4 and 7 of your ART G2 to your (pre)
amplifier using high quality cinch cables. Alternatively, you can use the
balanced analog outputs 5 and 6 in case your (pre) amplifier has no
analog cinch inputs.

5.2   Outputs 'Digital Audio'
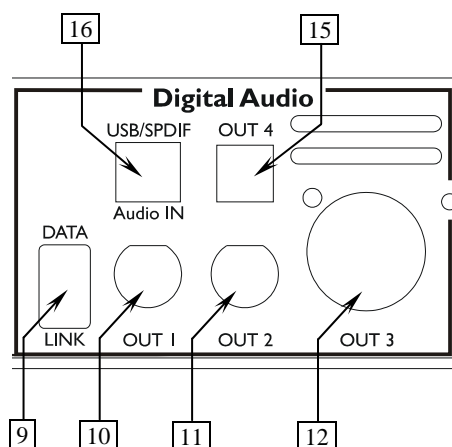
9   Digital output DATA LINK
The digital audio output **DATA LINK** is only for connecting the ART G2 to an Audionet pre amplifier with a **DATA LINK** input, e.g. Audionet MAP 1. The digital output signal depends on the setting of option **Set Digital Output Mode** (refer to sections '*Digital output format*' on page 14 and '*Set Digital Output Mode*' on page 55).

10   Digital output OUT 1 (SPDIF)
The digital audio signal is available at the output **OUT 1** in the SPDIF format depending on the setting of option **Set Digital Output Mode** (refer to sections '*Digital output* format' on page 14 and '*Set Digital Output Mode*' on page 55).

11   Digital output OUT 2 (SPDIF)
The digital audio signal is available at the output **OUT 2** in the SPDIF format depending on the setting of option **Set Digital Output Mode** (refer to sections '*Digital output* format' on page 14 and '*Set Digital Output Mode*' on page 55).

12   Digital output OUT 3 (AES/EBU)
The digital audio signal is available at the output **OUT 3** in the AES/EBU format depending on the setting of option **Set Digital Output Mode** (refer to sections '*Digital output* format' on page 14 and '*Set Digital Output Mode*' on page 55).

15   Digital output OUT 4 (optical/TOSLink)
Use an optical (TOSLink) cable to connect the optical digital output **OUT 4** of the ART G2 to any unit with an optical digital input. The output signal depends on the setting of option **Set Digital Output Mode** (refer to sections '*Digital output* format' on page 14 and '*Set Digital Output Mode*' on page 55).

16   USB/SPDIF digital audio input
Digital audio input to connect a computer to the ART G2 for playback of music and sound files using the sophisticated D/A-converters of the ART G2. The ART G2 is recognized as 'USB Audio Device'

by the operating system of your computer, e.g. Windows XP[*1]. Use a standard audio player (e.g. Windows Media Player[*1]) to playback your music through the ART G2.

Via an optional adapter cable the USB input can be used as SPDIF input for connecting CD players, DAT recorders etc. (refer to section *'USB/SPDIF digital audio input'* on page 16).

5.3 Digital output formats

⚠ Important

- In order to use digital outputs **OUT 1** to **4** and **DATA LINK** of your ART G2, the option `Set Digital Output Mode` has to be set to either `LowBit Mode` or `HighBit Mode`. If you selected setting `disabled` all digital outputs of the ART G2 are **switched off** (refer to section '*Set Digital Output Mode*' on page 55).

Please refer to the following table to determine which digital format at which sample rate and resolution is available at the digital audio outputs. The decision whether to use the HighBit or the LowBit mode depends on the kind of digital receiver unit your ART G2 is connected to.

Digital Output Mode	DATA LINK 9	OUT 1 10 SPDIF	OUT 2 11 SPDIF	OUT 3 12 AES/EBU	OUT 4 15 optical
LowBit Mode	44.1kHz / 16bit Stereo PCM	44.1kHz / 16bit Stereo PCM	44.1kHz / 16bit Stereo PCM	44.1kHz / 16bit Stereo PCM	44.1kHz / 16bit Stereo PCM
HighBit Mode	192kHz / 24bit Stereo Upsampling Audionet High Bit Mode	192kHz / 24bit Stereo Upsampling Audionet High Bit Mode		96kHz / 24bit Stereo Downsampling PCM	44.1kHz / 16bit Stereo PCM
disabled	no signal	no signal	no signal	no signal	no signal

5.3.1 LowBit mode

Use the LowBit mode to connect the ART G2 with a component (digital receiver) that has **no** Audionet HighBit-Interface. Referring to the table below all digital outputs **OUT 1** $\boxed{10}$ to **OUT 4** $\boxed{15}$ transmit a stereo PCM signal at a sampling rate of 44.1 kHz and with a resolution of 16 bit.

5.3.2 HighBit mode

Use the HighBit mode **only** if you want to transmit digital audio data from the ART G2 to an Audionet pre amplifier compatible to the Audionet HighBit-Interface, e.g. the Audionet MAP V2.0 or Audionet MAP 1. Additionally, in the HighBit mode digital output **OUT 3** $\boxed{12}$ transmits a stereo PCM signal at a sampling rate of 96 kHz (downsampled from the Audionet HighBit 192 kHz signal) with a resolution of 24 bit in the AES/EBU format. Digital output **OUT 4** $\boxed{15}$ transmits even in the HighBit mode a stereo PCM signal at a sampling rate of 44.1 kHz and a resolution of 16 bit.

⚠ Important

- With other devices but HighBit-compatible Audionet pre amplifiers a correct decoding of digital audio data is **not** possible and can lead to high-level noise from the speakers, which might damage your ear and/or equipment.

In order to transmit digital audio data from your ART G2 to an Audionet pre amplifier, you have to connect digital output **OUT 1** $\boxed{10}$ of the ART G2 to the digital audio input '**Digital In 2**' of the MAP V2.0 or '**Digital Audio IN 1**' of the MAP 1.

Additionally, connect digital output **OUT 2** $\boxed{11}$ of the ART G2 to digital audio input '**Digital In 3**' of the MAP V2.0 or '**Digital Audio IN 2**' of the MAP 1.

⚠ Important

- Only if **both** connections are in place and the option `Set Digital Output Mode` is set to `HighBit Mode`, you can transmit and receive digital audio data in HighBit mode (refer to section '*Set Digital Output Mode*' on page 55)!

✦ Tip

- If you are the user of an Audionet MAP 1, you can use the digital output **DATA LINK** $\boxed{9}$ of the ART G2 to connect to the digital audio

input **DATA LINK** of the MAP 1. The connection using the Audionet DATA LINK interface supports both LowBit and HighBit mode. Select the digital output format of the DATA LINK interface with option `Set Digital Output Mode`. Only if option `Set Digital Output Mode` is set to `HighBit Mode`, a transmission of digital audio data in HighBit mode is possible (refer to section '*Set Digital Output Mode*' on page 55)!

 **Important**

- If you do not need any of the digital outputs do not use any jumpers to short-circuit the digital outputs. Instead, select `disabled` for option `Set Digital Output Mode` to switch off all digital outputs. (refer to section '*Set Digital Output Mode*' on page 55).

5.4 USB/SPDIF digital audio input

5.4.1 Connecting the computer to the USB audio input

With the USB Audio interface you can playback music and sound files from your computer (PC) using the sophisticated digital-to-analog converters of the ART G2 instead of the soundcard of the PC. The ART G2 is integrated into your computer system as USB Audio device. The installation is done (mostly) automatically via Plug'n'Play, provided a correctly installed operating system.

 **Note**

- To use the USB Audio function of the ART G2, your computer requires having Microsoft™ Windows™ 98SE, Windows ME™, Windows 2000 Professional or Windows XP™ Home/Professional with the latest USB Audio drivers installed. For further information about the minimum system requirements please refer to the documentation of your Microsoft Windows version.

1. **Connect digital input USB/SPDIF-Audio 16 with a suitable USB cable (plug type A to plug type B) to a free USB port at your computer that is compatible with USB 1.1 or above and supports the Full Speed USB protocol.**

2. **Start your computer, then switch on the ART G2.**

The ART G2 is recognized as newly added hardware by your computer. Depending on the Microsoft Windows version installed on your system, it might occur that at the first connection of the ART G2 the operating system prompts you to install a driver for the new hardware. In this case let Windows choose the correct driver automatically and follow the installation dialog until it is finished.

- If necessary, Windows may prompt you to insert its installation CD/DVD. Pease have the disc ready.

- For further information about automatic hardware recognition, searching for and installing hardware drivers, please refer to the documentation of your operating system.

- USB Audio is an integral part of Microsoft Windows, so no further software installation is necessary. After installing the necessary hardware drivers the ART G2 will be automatically integrated into your computer system from now on and is ready to use after plugging in the USB cable.

Microsoft Windows will setup the ART G2 automatically as standard device for sound playback. In case this is not done automatically due to your current system configuration, please set the corresponding option manually:

3. **Open up the 'Sounds and Audio Devices' dialog of your Windows Settings menu. Click on the tag 'Audio' and select 'Audionet ART G2' from the list of standard devices (see the following example):**
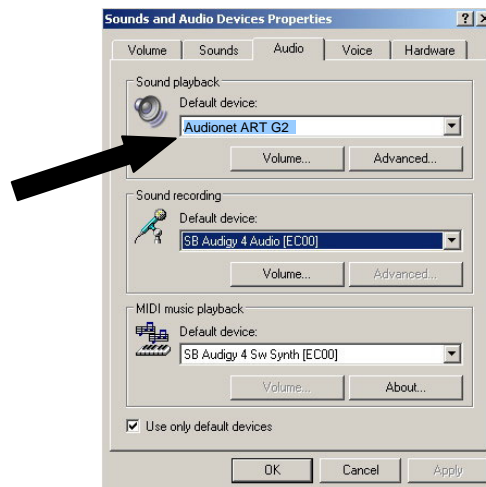
Now all music and sound files, that Microsoft Windows or your sound application is capable of processing, are played back using the sophisticated analog-to-digital converters of your ART G2.

✎ Note

- Microsoft Windows converts every input format automatically into a stereo PCM signal with 44.1 or 48 kHz sampling frequency and 16 bits resolution. Which audio formats are played back depends on the capabilities of your Microsoft Windows system and/or your sound application only!

- All volume and balance settings of Microsoft Windows or your sound application will be still active. In case you hear no sound at all or the sound has low volume while playing back sound and music files with your ART G2, please make sure that your volume settings of your Windows system are not muted or set to a low level.

⚠ Important

- The USB Audio function of the ART G2 can **only** be used if the loaded disc is stopped, or **no** disc is loaded at all.

- During playback of any disc with the ART G2 you will hear **only** the audio from the disc. There will be **no** signal from the USB Audio interface.

- Option `Set Auto Off` in the Global Setup menu has to be set to `never off`, if you would like to use the USB Audio function of the ART G2, otherwise the unit will shut down automatically after 30 minutes (refer to section '*Set AutoOff*' on page 56).

In case you like to check, if Microsoft Windows recognized your ART G2 correctly, please open up the Device Manager of your Windows system. You will find the ART G2 in the following 3 places in the list of devices:

Sound, video and game controller	→	USB Audio Device
Human Interface Devices	→	USB Human Interface Device
Universal Serial Bus controllers	→	USB Composite Device

The diagram on the following page gives an overview of an example list of entries in the Device Manager:

5.4.2   Example overview Device Manager
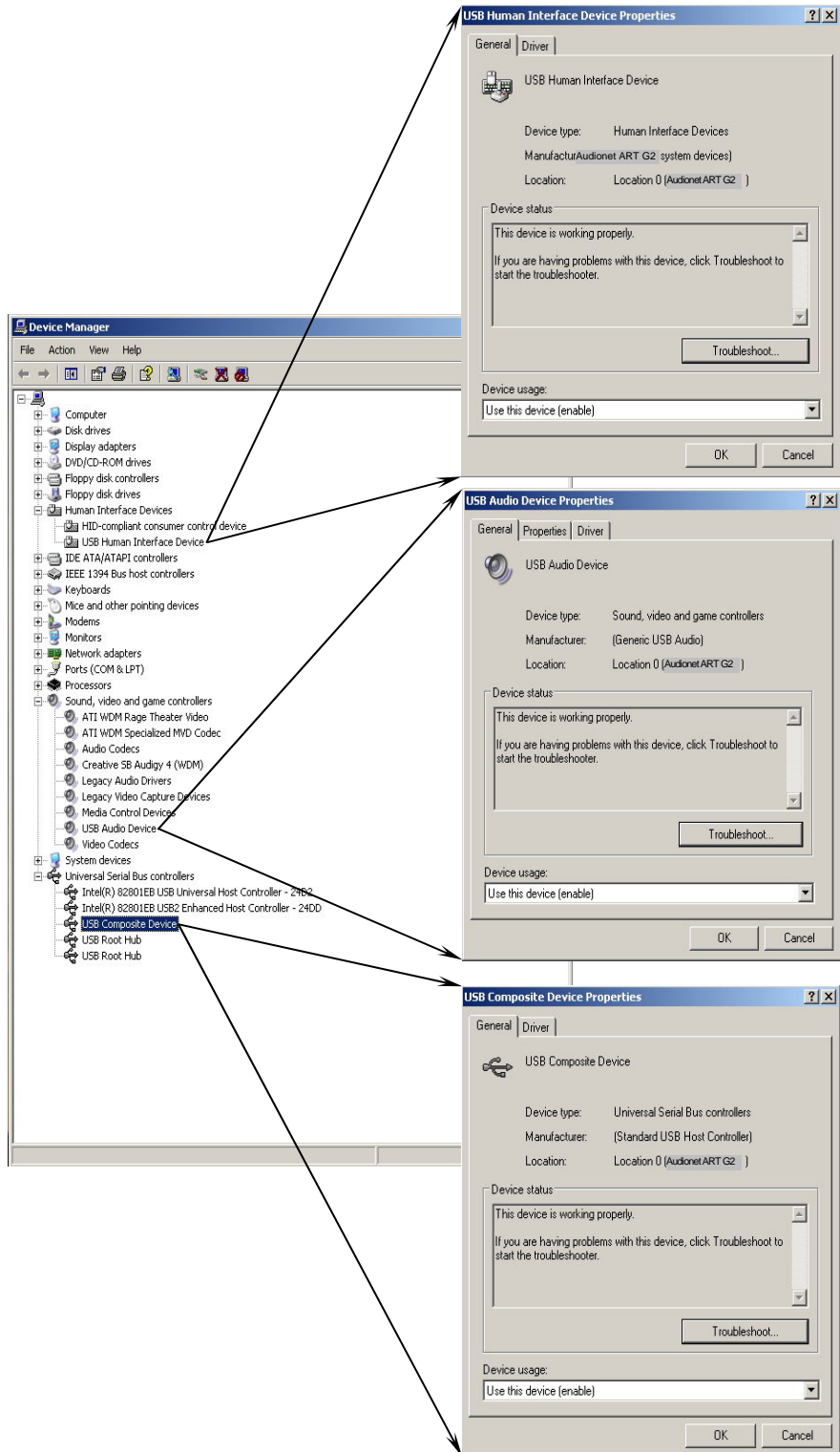
5.4.3 Using the SPDIF input

Alternatively, you can use the **USB/SPDIF Digital audio input** $\boxed{16}$ as SPDIF digital audio input using a special adaptor cable available from Audionet. Therefore, you can use the sophisticated digital-to-analog converter of the ART G2 for other digital sources like CD transports, DAT recorder, too.

1. **Connect the USB/SPDIF Audio input** $\boxed{16}$ **to the SPDIF output of the source device using an adaptor cable.**

2. **Switch on the ART G2, then switch on the source device, and star the playback on the source device.**
   The music of the source device is now played back using the sophisticated digital-to-analog converters of the ART G2.

✎ Note

- The ART G2 supports the formats: PCM Stereo, sample rate 32 kHz up to 96kHz, 16 bit and 24 bit resolution.

☝ Important

- The USB Audio function of the ART G2 can **only** be used if the loaded disc is stopped, or **no** disc is loaded at all.

- During playback of any disc with the ART G2 you will hear **only** the audio from the disc. There will be **no** signal from the USB Audio interface.

- Option `Set Auto Off` in the Global Setup menu has to be set to `never off`, if you would like to use the USB Audio function of the ART G2, otherwise the unit will shut down automatically after 30 minutes (refer to section '*Set AutoOff*' on page 56).
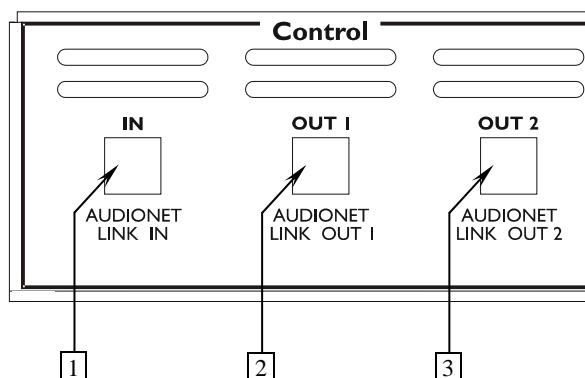
✎ Note:

<div align="center">Pin layout of SPDIF input</div>

1 = not connected
2 = not connected
3 = SPDIF
4 = Ground

5.5   Audionet Link

1   Control input IN
Audionet Link control input

2   Control output OUT 1
Audionet Link control output 1

3   Control output OUT 2
Audionet Link control output 2 (time-delayed in reference to control output OUT 1)

For your convenience, the ART G2 can be controlled remotely by one of Audionet's multi-channel pre amplifiers MAP or MAP 1, as well as one of Audionet's stereo pre amplifiers PRE, PRE G2, PRE 1 or PRE 1 G2 using the 'Audionet Link' interface.

You only need a simple optical 'Toslink' cable to connect the 'Audionet Link' output of your Audionet pre amplifier to the 'Audionet Link' input 1 of the ART G2. Now, the ART G2 and all other units connected via 'Audionet Link' will be switched on/off automatically, when you switch on/off your pre amplifier at the front panel or by remote control.

In case you would like to automatically control further Audionet units in your system with the 'Audionet Link' interface, please connect the 'Audionet Link' output OUT 1 2 or OUT 2 3 of the ART G2 to the 'Audionet Link' input of the next Audionet unit (e.g. power amplifier) using a simple optical 'Toslink' cable.

🖉   Note

- The 'switch on' signal is issued to any further Audionet units daisy chained to the 'Audionet Link' output of your ART G2 with a little delay to avoid all units switching on at the same moment, which could cause an overload of your mains fuse. First, control output OUT 1 2, then OUT 2 3 switched on.

- Independently from the 'Audionet Link' interface, you can switch on/off manually your ART G2 at any time by using the **power** key on the front plate or the remote control.

Important

- In case the option **Set AutoOff** is set to **shut off in 30 min**, the ART G2 shuts down to stand-by mode automatically, if the disc is stopped or no disc inserted and no key of the front panel or remote control is used for at least 30 minutes. This function works independently from a pre amplifier that is connected via 'Audionet Link', i.e. the ART G2 shuts down automatically even if the pre amplifier is still switched on (refer to section '*Set AutoOff*' on page 56).

6   Usage

6.1   Switching on and off

Please make sure that the ART G2 is connected to your (pre) amplifier and to the mains correctly (refer to sections '*Installation and* ' on page 9 and '*Outputs and inputs*' on page 12). As soon as the ART G2 is connected to the mains, the display lights up with the Audionet logo followed by a welcome text. After that the display stays dark. The unit is now in stand-by mode.

Switch on the unit by pressing the **power** key at the front panel. The ART G2 shows the message **Waking up...**.

In case the mains plug has the incorrect polarization a warning is issued in the display (refer to section '*Orientation of mains plug*' on page 10).

If the cover is open the display reads **Open**. If you switch on the unit with the cover closed and no disc inserted the message **No Disc** will appear in the display after a short moment.

Please refer to sections '*Inserting and removing discs*' on page 25 and '*Playing discs*' on page 37 for how to insert, remove and play discs.

If you would like to switch off the unit, press the **power** key on the front panel. The display will show **Going to sleep..** while powering down the unit. Now the display is dark, and the ART G2 is in stand-by mode.

✎   Note

- In case option **Set AutoPlay** is set to **power on only** or **power on & disc change** (refer to section '*Set AutoPlay*' on page 57) the ART G2 switches on automatically after connecting it to mains and starts playing any inserted CD.

- Of course, you can switch on/off the ART G2 with the included remote control as well as with the Audionet System Remote Control *Harmony 785*. Please refer to sections 'Remote control' on page 27 and '*Audionet System Remote Control Harmony 785*' on page 29.

- In case you should try to switch on the unit while the cover is open, the ART G2 will issue the message:
```
    ►        Attention:        ◄
    ►    Close cover before    ◄
    ►        switching on!!     ◄
```
to ask you to close the cover. Only if the cover is closed you can switch on the unit!

- If you open the cover during power-up, the ART G2 interrupts the process with the warning:
```
    ►        Attention:        ◄
    ►    Keep cover closed     ◄
    ►    during power up!!     ◄
```
Now close the cover, and switch on the unit again!

6.1.1 Mains phase detection

The correct polarization of mains is important for reasons of audio clarity and stability. Please connect the mains cord that the hot pin of the wall outlet is connected to the pin of mains input 13 marked 'PHASE' 14 on the back panel of the unit. The ART G2 recognizes the incorrect polarization of the mains plug automatically. Right after switching on the unit from stand-by mode by pressing the **power** key on the front panel the following message will appear in the display in case the mains polarization is incorrect:

```
►        Attention:        ◄
► Mains phase incorrect ◄
```

If you read the above message, switch off the unit by pressing the **power** key. Please wait until the display no longer reads **Going to sleep..**. Now pull the mains plug and re-insert it into the mains socket rotated by 180°.

When you switch on the unit again, the warning should not appear now.

⚠ Important

- If the ART G2 issues the mains polarization warning or no warning at all for both positions of the mains plug, check the connection to earth of your mains socket and mains cord. **You have to ensure a stable connection to earth for the ART G2 to work correctly!**

6.1.2 Using Audionet Link

For your convenience, the ART G2 can be controlled remotely by one of Audionet's multi-channel pre amplifiers MAP or MAP 1, as well as one of Audionet's stereo pre amplifiers PRE, PRE G2, PRE 1 or PRE 1 G2 using the 'Audionet Link' interface.

You only need a simple optical 'Toslink' cable to connect the 'Audionet Link' output of your Audionet pre amplifier to the 'Audionet Link' input 1 of the ART G2. Now, the ART G2 and all other units connected via 'Audionet Link' will be switched on/off automatically, when you switch on/off your pre amplifier at the front panel or by remote control (refer to section '*Audionet Link*' on page 21).

If your ART G2 is connected to your Audionet pre amplifier via 'Audionet Link', the ART G2 will be switched on/off automatically, as soon as you switch on/off your Audionet pre amplifier with its remote control or with the **power** key on its front panel.

📝 Note

- The 'switch on' signal is issued to any further Audionet units daisy chained to the 'Audionet Link' output of your ART G2 with a little delay to avoid all units switching on at the same moment, which

could cause an overload of your mains fuse. First, control output **OUT 1** [2], then **OUT 2** [3] switched on.

- Independently from the 'Audionet Link' interface, you can switch on/off manually your ART G2 at any time by using the **power** key on the front plate or the remote control.
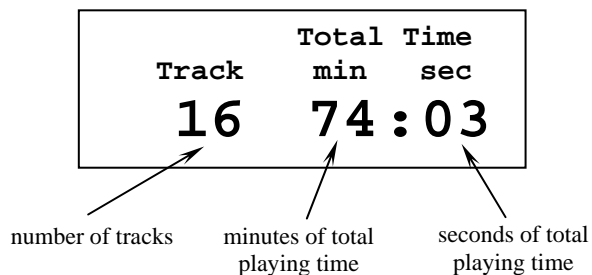

![Important icon] **Important**

- In case the option `Set AutoOff` is set to `shut off in 30 min`, the ART G2 shuts down to stand-by mode automatically, if the disc is stopped or no disc inserted and no key of the front panel or remote control is used for at least 30 minutes. This function works independently from a pre amplifier that is connected via 'Audionet Link', i.e. the ART G2 shuts down automatically even if the pre amplifier is still switched on (refer to section '*Set AutoOff*' on page 56).

6.2   Inserting and removing discs

Open the cover on top of the ART G2 by pushing it to the back using the handle. Put a disc onto the spindle with its printed side facing up. Fix disc with included stabilizer ('Puck'). Please make sure that the stabilizer gives the disc a centred and level position.

Close the disc drawer. The display reads now `Close` and then `Reading disc...`. After reading the table of contents the display shows the number of tracks and the total playing time of the disc in minutes and seconds:

```
              Total Time
     Track     min    sec
      16      74:03
```

    number of tracks   minutes of total   seconds of total
                         playing time   playing time

Stop playback by pressing the key **stop** on the front panel or key **STOP** of the remote control or key [■] of the Audionet System Remote Control, before you open the cover. Please wait until the disc stops turning, before you remove the stabilizer to remove the disc.

As long as the cover is open the display reads `Open`.

✎ Note

- If you open the cover during playback the ART G2 takes a short moment to bring the disc to a complete stop. Please wait until the disc stops turning before you remove the disc.

- The cover has to be closed completely in order to playback a disc.

- Always use the included stabilizer to fix the disc on the spindle. Otherwise the disc and/or the unit might suffer damage.

- **Never** load more than one disc at a time, and never use any additional stabilizers!

- Do not use any non-standard shaped discs available on the market because it may damage the unit.

- If you set the option `Set AutoPlay` to `disc change only` or `power on & disc change`, the ART G2 starts playback automatically as soon as you inserted a disc and closed the cover (refer to section '*Set AutoPlay*' on page 57).

6.3   Control elements on the front panel

The front panel has 4 keys for controlling the ART G2 (refer to section '*Overview* ' on page 7). With these keys you can control all basic playback functions as well as all setup options in the **Global Setup** menu.

power	Switch on /off the unit.
stop / set	Push the key shortly to stop playback. Keep the key pushed for at least 2 seconds to enter and navigate through the **Global Setup** menu.
back / pause	Push the key shortly to skip back to the beginning of the current track. Push the key again to skip to the start of previous tracks. Keep the key pushed for at least 2 seconds to pause playback. To continue playback press the key for at least 2 seconds again.
play	Press key once to skip to the beginning of the next track. Press again to skip to the start of further tracks.

7   Remote control

With the remote control you can access most of the functions of the ART G2. In the following all keys of the remote control are explained. For detailed information on each function please refer to its description in the following sections.
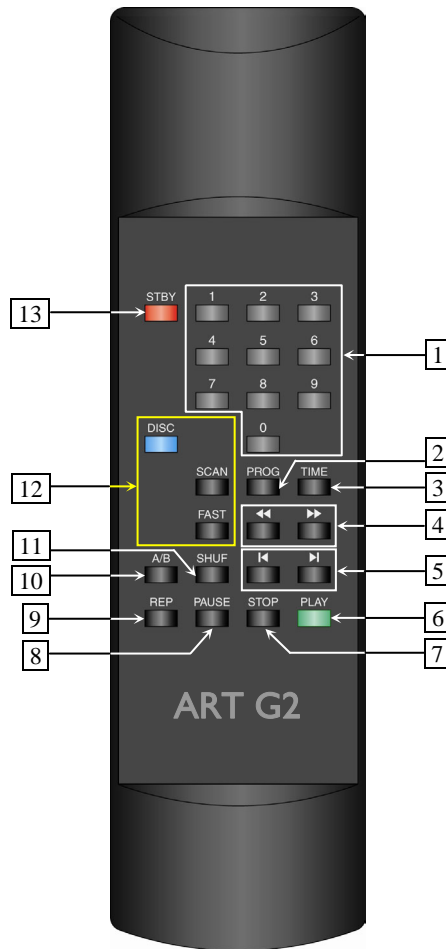
1   Digit keys 0...9
for direct access and programming of tracks (refer to sections '*Direct track access*' on page 42, '*Time search*' on page 43 and '*Compiling a playlist*' on page 47).

2   Program key PROG
for compiling a playlist and for switching between program and normal playback mode (refer to sections '*Compiling a playlist*' on page 47 and '*Playing a playlist*' on page 49).

3   Time select key TIME
select time display (refer to section '*Selection of time display*' on page 41).

27

4   Search key ◄◄ and ►►

set direction and speed of disc search (refer to section '*Searching*' on page 39).

5   Skip keys I◄◄ and ►►I

skips to beginning of current or start of next track (refer to section '*Basic playback control*' on page 39).

6   Playback key PLAY

starts playback of disc or playlist (refer to section '*Basic playback control*' on page 39).

7   Stop key STOP

stops playback (refer to sections '*Basic playback control*' on page 39 and '*Delete a playlist*' on page 52).

8   Pause key PAUSE

pauses playback at current disc position. Press again to continue playback (refer to section '*Basic playback control*' on page 39).

9   Repeat key REP

select track or disc repeat function (refer to sections '*Repeat disc*' on page 44 and '*Repeat track*' on page 45).

10   AB-Repeat key A/B

set a section from time A to time B and loop it (refer to section '*Repeat a section (A-B Repeat)*' on page 45).

11   Random play key SHUF

plays back the tracks of a disc or a playlist in random order (refer to section '*Random playback*' on page 44).

12   Keys without function

13   Power key STBY

switch on/off (stand-by) the ART G2 (refer to section '*Switching on and off*' on page 23).

8   Audionet System Remote Control *Harmony 785*

Every function of the ART G2 is accessible via the Audionet System Remote Control *Harmony 785*. Additionally, up to 14 other devices can be controlled by the *Harmony 785*.

Press key $\boxed{\textbf{Devices}}$ to enter **Device Mode**. The display now lists all devices included in the current configuration of the *Harmony 785*. Select $\boxed{\textbf{ART G2}}$ from the list to set the *Harmony 785* to controlling the ART G2. **Device Mode** gives you access to all the possible commands to control your ART G2. The following explains all these commands.

⚠️ **Important**

- During everyday use, you should never need to use the **Device Mode** of your *Harmony 785*, but control the ART G2 (and other devices of your audio setup) by customizing your **Activities**. For detailed information on how to customize and use **Activities** on your *Harmony 785* please consult the separate user's manual that came with your *Harmony 785*.

1   **Power** key for use with Activities, turns all devices off that are included into the current Activity. See separate user's manual of *Harmony 785*.

2   **Activities** key: Press this key to view a list of Activities you have added. Press the button next to the Activity you want to select, and the *Harmony 785* will control your entertainment system (see separate user's manual of *Harmony 785*).

3   **Devices** key, lists all the devices on the display, and allows your to select and directly control any device included in the configuration of the remote control (see separate user's manual of *Harmony 785*). Select $\boxed{\textbf{ART G2}}$ to enter **Device Mode** for controlling the ART G2.

4 Depending on the operational mode, the display of the *Harmony 785* shows a list of Activities or Devices, help or infrared commands and any available listings. If a list exceeds one screen page, use the arrow keys beneath the display to browse through the available pages. Press the button next to the text to select or activate the corresponding item or function (see also separate user's manual of the *Harmony 785*).

⚠ Important

- **The Power key ⏻ is only available for Activities. In Device Mode the Power key has no function.**

- **Even without using an Activity, the user is able to control all functions of the ART G2 using the *Harmony 785* in Device Mode.**

- **The keys described below to control the ART G2 refer to the factory default programming of the Audionet System Remote Control *Harmony 785*. Understandably, any changes done to this setup by the user cannot be discussed here.**

☼ Tip

- In order to switch the ART G2 on/off, **without** using an Activity, please use the keys ⌷ **Power On** ⌷, ⌷ **Power Off** ⌷ and/or ⌷ **Power Toggle** ⌷ on screen page 3 (see section '*Screen page 3*' on page 35). Of course, it is possible to control the ART G2 without any Activity, but to tap the full potential of the *Harmony 785* you need to configure Activities customized to your needs (please refer to the separate manual of the *Harmony 785*).

✎ Note

- Please read the separate user's manual to your Audionet System Remote Control *Harmony 785*. Activities, Devices and Device Mode as well as customizing the remote control are discussed there.

8.1   Key assignment ART G2

1   Time mode selection key `Info`
select time display (see section '*Selection of time display*' on page 41). This key has the same function as key `Time` on screen page 1 (see section '*Screen page 1*' on page 41).

2   Setup key `Menu`
to setup further options (see section '*Set AutoOff*' on page 56 and '*Set AutoPlay*' on page 57). This key has the same function as key `Set` on screen page 1 (see section '*Screen page 1*' on page 41).

3   Stop key `■`
stops playback (see section '*Basic playback control*' on page 39 and '*Delete a playlist*' on page 52).

4   Playback key $\boxed{\blacktriangleright}$

starts playback of a disc or playlist (see section '*Basic playback control*' on page 39).

5   Skip back key $\boxed{\vcenter{\hbox{$\blacktriangleleft\!\blacktriangleleft$}}}$

skips back to start of current track. Press again to skip to start of previous tracks (see section '*Basic playback control*' on page 39). Also is used for selecting options in the **Global Setup** menu (see section '*Setup menu Global Setup*' on page 53).

6   Skip forward key $\boxed{\vcenter{\hbox{$\blacktriangleright\!\blacktriangleright$}}}$

skips to beginning of next track (see section '*Basic playback control*' on page 39). Also is used for selecting options in the **Global Setup** menu (see section '*Setup menu Global Setup*' on page 53).

7   Search backwards key $\boxed{\vcenter{\hbox{$\blacktriangleleft\!\blacktriangleleft$}}}$

search disk backwards (see section '*Searching*' on page 39).

8   Pause key $\boxed{\,\|\,}$

pauses playback at current disc position. Press again to resume playback (see section '*Basic playback control*' on page 39).

9   Digit keys $\boxed{0}..\boxed{9}$

for direct access and programming of tracks or time search (see sections '*Direct track access*' on page 42, '*Time search*' on page 43 and '*Compiling a playlist*' on page 47).

10   Search forwards key $\boxed{\vcenter{\hbox{$\blacktriangleright\!\blacktriangleright$}}}$

search disc forwards (see section '*Searching*' on page 39).

11   Erase key $\boxed{\textbf{* clear}}$

to erase tracks from a playlist (see sections '*Compiling a playlist*' on page 47, '*Edit a playlist*' on page 50 and '*Delete a playlist*' on page 52). This key has the same function as key $\boxed{\textbf{Erase}}$ on screen page 2 (see section '*Screen page 2*' on page 34).

12   Enter key $\boxed{\textbf{\# enter}}$

to acknowledge a selected time or track number (see sections '*Direct track access*' on page 42 and '*Time search*' on page 43).

8.2   Screen page 1

1   Setup key `Dim Display`
to adjust the brightness of the display (see section '*Set Display Brightness*' on page 54).

2   Setup key `Digital Output`
select output format for digital outputs (see section '*Set Digital Output Mode*' on page 55).

3   Time search key `Goto Time`
to enter time search mode (see section '*Time search*' on page 43).

4   Setup key `Set`
to setup further options (see sections '*Set AutoOff*' on page 56 and '*Set AutoPlay*' on page 57). This key has the same function as key `Menu` on the *Harmony 785* (see section '*Key assignment ART G2'* on page 31).

5   Time mode selection key `Time`
select time display (see section 'Selection of time display' on page 41). This key has the same function as key `Info` on the *Harmony 785* (see section '*Key assignment ART G2*' on page 31).

6   Number of current screen page and total number of pages
(example: '1 OF 3' $\rightarrow$ screen page 1 of 3).

7   Skips back to previous screen page (see user's manual *Harmony 785*).

8   Advances to the next screen page (see user's manual *Harmony 785*).

8.3 Screen page 2

1 AB-Repeat key `Repeat A-B`
set a section from A to time B and loop it (see section '*Repeat a section (A-B Repeat)*' on page 45).

2 Erase key `Erase`
to erase tracks form a playlist (see sections '*Compiling a playlist*' on page 47, '*Edit a playlist*' on page 50 and '*Delete a playlist*' on page 52). This key has the same function as key `* clear` (see section '*Key assignment ART G2*' on page 31).

3 Repeat key `Repeat`
select track or disc repeat function (see sections '*Repeat disc*' on page 44 and '*Repeat track*' on page 45).

4 Edit key `Edit`
to edit a playlist (see section '*Edit*' on page 50).

5 Programming key `Program`
for compiling a playlist and for switching between program and normal playback mode (see sections '*Compiling a playlist*' on page 47 and '*Playing a playlist*' on page 49).

6 Random playback key `Random`
plays back the tracks of a disc or a playlist in random order (see section '*Random playback*' on page 44).

7 Number of current screen page and total number of pages
(example: '2 OF 3' → screen page 2 of 3).

8 Skips back to previous screen page (see user's manual *Harmony 785*).

9 Advances to the next screen page (see user's manual *Harmony 785*).

8.4   Screen page 3
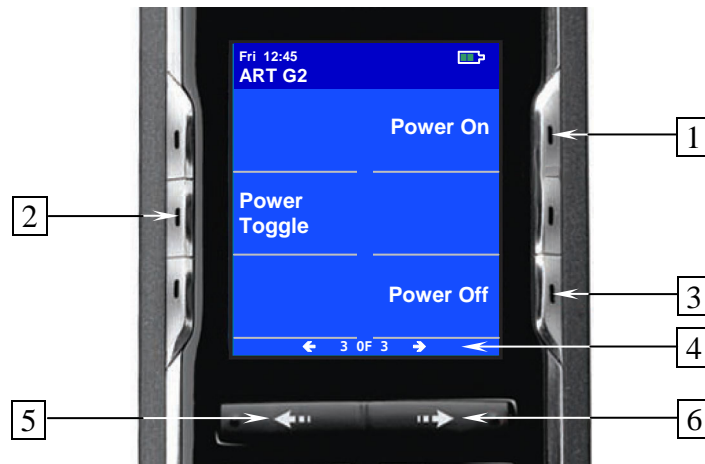
1 If the ART G2 is in stand-by mode, press key $\boxed{\textbf{Power On}}$ to switch the unit on.

2 Use $\boxed{\textbf{Power Toggle}}$ to switch on/off the ART G2. This key has the same function as the **power** key on the front panel. If the ART G2 is in stand-by mode, $\boxed{\textbf{Power Toggle}}$ switches on the unit. If the ART G2 is already switched on, $\boxed{\textbf{Power Toggle}}$ switches off the unit to stand-by mode.

3 If the ART G2 is switched on, use key $\boxed{\textbf{Power Off}}$ to power down the unit to stand-by mode.

4 Number of current screen page and total number of pages (example: '3 OF 3' $\rightarrow$ screen page 3 of 3).

5 Skips back to previous screen page (see user's manual *Harmony 785*).

6 Advances to the next screen page (see user's manual *Harmony 785*).

9 Overview control

Front panel	Remote control ART G2	Audionet System Remote Control *Harmony 785*	Function
Basic functions			
power	STBY	Power Toggle	switching on/off
		Power On [*)	switching on
		Power Off [*)	switching off
play	PLAY	▶	start playback
stop / set (short)	STOP	■	stop playback
back / pause (long)	PAUSE	‖	pauses or resumes playback
play	▶▶▏	▶▶▏	skips to beginning of next track
back / pause (short)	▏◀◀	▏◀◀	skips to beginning of current track. Press again to skip to start of previous track.
	▶▶	▶▶	search forward
	◀◀	◀◀	search backwards
Advanced functions			
	TIME	Time or Info	select time display
	REP	Repeat	repeat disc/track
	A / B	Repeat A-B	repeat section between A and B
	SHUF	Random	random playback
	PROG	Program	program playback
		Erase or * clear	erase programmed tracks
		Edit	edit programmed tracks
stop / set (1x long)		Dim Display	adjust display brightness
stop / set (2x long)		Digital Output	select output format of digital outputs
stop / set (3x long)		Set or Menu	setup further options
		Goto Time	direct time access (time search)
	Digit keys **0...9**	Digit keys 0 ... 9	direct track access, time search (Audionet *Harmony 785* only)
		# enter	acknowledge for direct track access / time search

---

*) or controlled by corresponding Activities in the current *Harmony 785* configuration (see separate user's manual of the *Harmony 785*)

10   Playing discs

If the ART G2 is not switched on yet, press the **power** key on the front panel or the key **STBY** of the remote control or keys Power On or Power Toggle of the Audionet System Remote Control *Harmony 785*, to switch on the unit.

Open the cover on top of the unit by pushing it to the back.

Put a disc onto the spindle with its printed side facing up. Fix disc with included stabilizer ('Puck'). Please make sure that the stabilizer gives the disc a centred and level position.
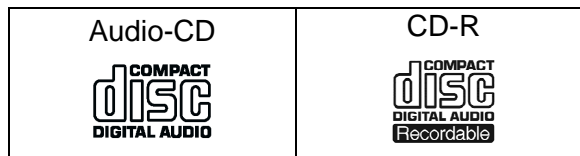
![Important icon] **Important**

- **Never** load more than one disc at a time, and never use any additional stabilizers!

Press key **play** on the front panel or **PLAY** of the remote control or ▶ of the Audionet System Remote Control *Harmony 785*, to start playback.

10.1 Playable disc types

The following disc types are suitable for playback:

Audio-CD	CD-R
COMPACT disc DIGITAL AUDIO	COMPACT disc DIGITAL AUDIO Recordable

Discs of types CD-R can be played back if they were recorded in the Audio-CD format. Due to characteristics of the disc or recording conditions, in some cases playback might not be possible.

![Important icon] **Important**

- Possibly, some Audio CDs not compliant to the Red Book standard will not play correctly or not at all on the ART G2. Particularly copy-protected CDs often violate the standard. Please notice the logos and notes on the CD and/or booklet.

- **If you playback a DTS[*2] Music CD with the ART G2, <u>all analog outputs</u> will <u>always</u> and the digital outputs DATA LINK 9, OUT 1 10, OUT 2 11 and OUT 3 12 will output <u>in HighBit mode</u> a high level noise, <u>that might damage your speakers</u>!**

[*2] *DTS and the DTS Digital Surround are registered trademarks of Digital Theater Systems, Inc.*

- **Make absolutely sure that you playback DTS Music CDs via a DTS-compatible AV (pre) amplifier <u>only</u>. The AV (pre) amplifier <u>has to be connected</u> to the digital output OUT 4 $\boxed{15}$ of the ART G2. If you use a different digital output of the ART G2, the option** `Set Digital Output Mode` **<u>must be set to</u>** `LowBit Mode!`

- DTS Music CDs are usually marked:

![Note icon] **Note**

- The ART G2 can playback audio recorded on CD-G, CD-EXTRA and CD-TEXT discs.

![Tip icon] **Tip**

- Connect your ART G2 to an Audionet (pre) amplifier with Audionet HighBit Interface using digital output **DATA LINK** or **OUT 1** & **OUT 2**. Make a second connection from digital output **OUT 4** of the ART G2 to the optical digital input of the Audionet (pre) amplifier. The advantage of this setup is, that you can leave the digital output format of the ART G2 set to HighBit mode. Listen to normal audio CDs in HighBit mode with all your preferred settings for 2-channel playback.
  In case you want to listen to a DTS Music CD, you simply switch your Audionet (pre) amplifier to its optical digital input. All your preferred settings for multi-channel playback will be recalled automatically so you can enjoy listening to your DTS Music CD without any interference.

10.2   Basic playback control

The table below comprises the basic playback functions into a simple overview. The advanced functions are explained in detail in the following sections.

Key	Function
PLAY or ▶	Start playback.
PAUSE or ❚❚	Pause and resume playback.
STOP or ■	Stop playback.
◀◀	Search backwards. Press **PLAY** or ▶ to return to normal playback.
▶▶	Search forward. Press **PLAY** or ▶ to return to normal playback.
◀◀	Skips to beginning of current track. Press again to skip to start of previous track.
▶▶	Skip to beginning of next track.

10.3   Searching

You can search discs forward and backwards with several speeds.

1.   During playback press ◀◀ or ▶▶ to start the search mode.

2.   Press the key again to increase search speed.

3.   Press key **play** or. ▶ to continue normal playback.

Both search direction and search speed is shown in the display:

```
               Track Time
     Track      min   sec
 ▶▶▶  16   04:27
```
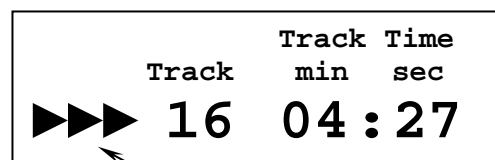
Search direction and search speed:

▶▶   forwards, slow speed

▶▶▶   forwards, medium speed

▶▶▶▶   forwards, high speed

◀◀   backwards, slow speed

◀◀◀   backwards, medium speed

◀◀◀◀   backwards, high speed

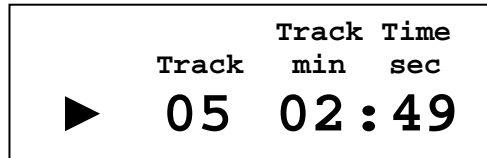**✐ Note**

- To start searching the disc has to be in playback or pause mode.

- Search mode is suspended as soon as any other playback or menu function is selected.

- While searching in one direction, the search speed is reduced one step, each time the search key for the opposite direction is selected until the normal playback speed is reached.

11   Advanced functions

11.1   Selection of time display

During playback of a disc 4 different time display modes are available. Press key **TIME** of the remote control or Time or Info of the Audionet System Remote Control *Harmony 785* to cycle through all 4 time display modes.

```
                  Track Time
           Track    min   sec
     ▶      05   02:49
```

Track Time shows the time the current track is playing.

```
                 Track Remain
           Track    min   sec
     ▶      05  -03:08
```
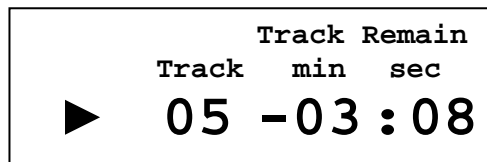
Track Remain is the remaining playback time of the current track.

```
                 Total Remain
           Track    min   sec
     ▶      05  -42:36
```
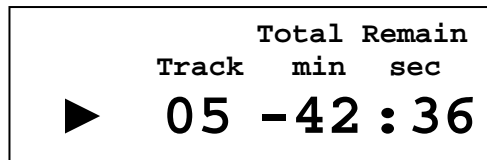
Total Remain shows the total remaining playback time of the current disc.

📝   **Note**

- During playback of a playlist the total remaining time of the playlist **Prog. Remain** is shown instead of the total remaining playback time of the disc **Total Remain**.

```
                 Total Time
          Track   min   sec
     ▶     05   17:55
```

Total Time is the total playback time of the current disc.

📝 **Note**

- During playback of a playlist the total playback time of the playlist **Prog. Time** is displayed instead of the total playback time **Total Time** of the current disc.
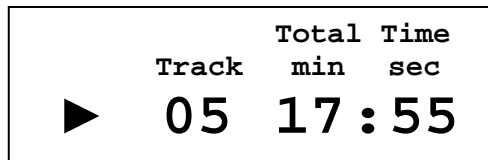
11.2 Direct track access

For direct access of a track use the digit keys of the remote control or the Audionet System Remote Control *Harmony 785*. First enter the second digit of the track number then the first digit. To start playback of the selected track press key **PLAY** or ▶ of the remote control or the key ｜# enter｜ (Audionet *Harmony 785* only).

```
   ▶      Select Track      ◀
         Track       min   sec
        ▶12◀    47:53
```
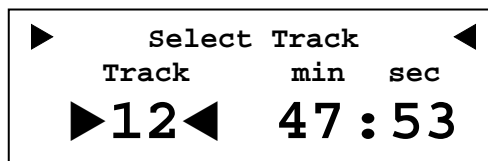
The display shows the selected track number and the start time of the track in minutes and seconds.

Example:

You would like to listen to track No. 12. First press key **1**, then **2** to select the track. The time display shows **47 : 53**, i.e. Track 12 starts at 47 minutes and 53 seconds. Now press **PLAY**, ▶ or ｜# enter｜ to start playback of track 12.

📝 **Note**

- If you enter a track number that is not included on the disc the display shows **00:00** for the start time. If you press now **PLAY**, ▶ or ｜# enter｜ to start playback the ART G2 issues the warning

  ▶ **Track out of range!** ◀

  to let you know that the selected track number is not available on this disc.

- If you compiled a playlist and select a track that is not part of the playlist the ART G2 issues the warning

  ▶ **Track out of range!** ◀

to let you know that the selected track is not available in the playlist. You have to delete the playlist first to re-gain access to tracks not within the playlist.

- Correct a wrong track number entry by simply typing in the correct number. The current selected digit is always the 1st digit of the track number. The former 1st digit will now be shifted to be the 2nd digit.

11.3 Time search

You can directly access any time on the disc. Press the key $\boxed{\textbf{Goto Time}}$ on the Audionet System Remote Control *Harmony 785* to open the **Time Search** dial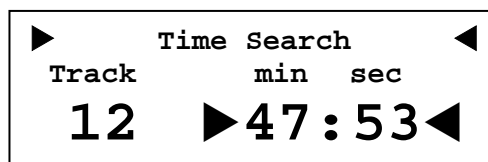og in the display of the ART G2. Now enter the time in minutes and seconds you want to go to. Using the digit keys of the *Harmony 785*. Press $\boxed{\textbf{\# enter}}$ to start or continue playback at the entered time.

```
┌─────────────────────────────────┐
│  ▶       Time Search       ◀    │
│  Track          min   sec       │
│   12      ▶47:53◀               │
└─────────────────────────────────┘
```

The display shows the entered time and the track number corresponding to that time.

Example:

You would like to playback at time 47 minutes and 53 seconds. First, press $\boxed{\textbf{Goto Time}}$ and then the digit keys $\boxed{4}$, $\boxed{7}$, $\boxed{5}$ and $\boxed{3}$. Acknowledge your entry by pressing key $\boxed{\textbf{\# enter}}$. Playback starts/continues at 47 minutes and 53 seconds.

📝 **Note**

- If you enter a time that is not on the disc the number of the corresponding track is **00** in the display. If you press now $\boxed{\textbf{\# enter}}$ to start/continue playback the ART G2 issues the warning
  ▶ **Time out of range!** ◀
  to let you know that the entered time is not available on the disc.

- Correct a wrong time entry by simply typing in the correct time. The current selected digit is always the 1st digit. The other digits are shifted one digit to the left.
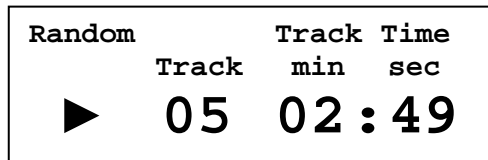
⚠️ **Important**

- This function is only available with the Audionet System Remote Control *Harmony 785*!

11.4 Random playback

Use this function to playback the tracks of a disc or playlist in a randomly order.

To activate the random playback function press key **SHUF** of the remote control or the key │**Random**│ of the Audionet System Remote Control *Harmony 785*. The display will show an active random playback mode by the symbol **Random**:

```
┌─────────────────────────────┐
│ Random        Track Time     │
│          Track   min   sec   │
│      ►    05  02:49          │
└─────────────────────────────┘
```

Press key **SHUF** of the remote control or key │**Random**│ of the Audio-net System Remote Control *Harmony 785* again to deactivate the random playback function. The symbol **Random** will be removed from the display.
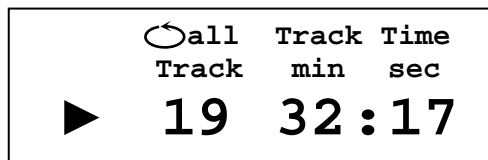

✎ Note

- If you compiled a playlist, only the tracks of the playlist will be played back in a random order.

- If you defined times A and B of the A-B Repeat function, the tracks between both times A and B will be played back in random order. Nevertheless, if time B is reached playback resumes at time A.

11.5 Repeat disc

If you would like to repeat the currently inserted disc, press key **REP** of the remote control or key │**Repeat**│ of the Audionet System Remote Control *Harmony 785* <u>once</u>. The display indicates the disc repeat mode with symbol ⟲**all**.

```
┌─────────────────────────────┐
│        ⟲all  Track Time      │
│          Track   min   sec   │
│      ►    19  32:17          │
└─────────────────────────────┘
```

As soon as the end of the disc is reached, playback resumes at the start of the disc. The disc will be repeated until you switch off the disc repeat function or stop playback.

To deactivate the disc repeat function press key **REP** or key │**Repeat**│ <u>twice</u>. The repeat symbol ⟲ **all** is now removed from the display.

- If you compiled a playlist, not the whole disc but only the tracks of the playlist are repeated.

- You may switch on/off the repeat function before and during play-back.

- In case you activated the disc repeat and the random play function, all tracks are played back in random order until every track was played once. Then the playback re-starts with a randomly chosen track.

11.6　Repeat track

If you would like to repeat only one track of a disc, press the **REP** of the remote control or the key 〔**Repeat**〕 of the Audionet System Remote Control *Harmony 785* twice. The track repeat mode is indicated by the symbol ⭮**one** in the display.

```
       ⭮one  Track Time
       Track   min  sec

  ▶     09   08:26
```
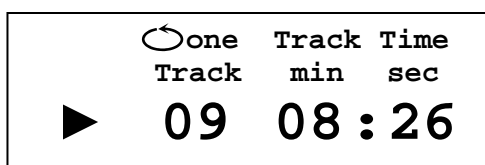
The current track will be looped until you switch off the track repeat function or stop playback.

To deactivate the track repeat function press key **REP** or key 〔**Repeat**〕 once. The track repeat symbol ⭮ **one** is now removed from the display.

📝　**Note**

- You may switch on/off the repeat function before and during play-back.

- In case you activated the track repeat and the random play function, only the current track will be repeated nonetheless.

11.7　Repeat a section (A-B Repeat)

The function **A-B Repeat** lets you define two times (A and B) on the disc that form a loop which is repeated endlessly.

During playback press key **A/B** of the remote control or key 〔**Repeat A-B**〕 of the Audionet System Remote Control *Harmony 785* to define time A. the display indicates a defined time A by:

```
           ⟲A-?? Track Time
           Track   min   sec
      ▶      05   02:49
```
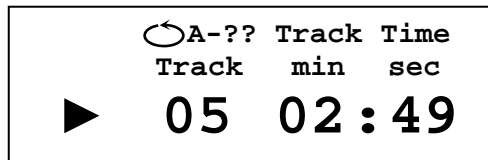
As soon as the playback reaches your desired time B press key **A/B** of the remote control or key ⟦ **Repeat A-B** ⟧ of the Audionet System Remote Control *Harmony 785* again to define time B.

Playback will re-start now at time A and repeats the loop until time B. The display indicates an active AB-Repeat loop by:

```
           ⟲A-B  Track Time
           Track   min   sec
      ▶      06   01:28
```

To end the A-B Repeat function press key **A/B** of the remote control or the key ⟦ **Repeat A→B** ⟧ of the Audionet System Remote Control *Harmony 785* again. The AB-Repeat symbol ⟲**A-B** is now removed from the display.
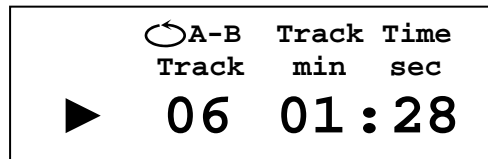
🖉 **Note**

- After defining time A you can use all search function of
    - the front panel: **back / pause** and **play**,
    - the remote control: ◄◄, ►►◄, ◄◄ and ►►,
    - the Audionet *Harmony 785*: ⟦◄◄⟧ , ⟦►►◄⟧ , ⟦◄◄⟧ and ⟦►►⟧
  to find time B quickly.

- Start time A may be defined after time B in respect to the absolute disc playing time. In this case the loop starts at time A and play until the end of the disc. Playback will continue from the start of the disc until time B is reached.

- If you compiled a playlist, the order of tracks to be played back will follow the playlist during playback of the loop between times A and B.

- If the random play function is active, the order of tracks between time A and B will be selected randomly. Nevertheless, if time B is reached playback re-starts at time A.

11.8 Compiling a playlist

Use this function to compile a playlist. Tracks will be played back in the order they were programmed into the playlist.

Press key **PROG** of the remote control or key $\boxed{\textbf{Program}}$ of the Audionet System Remote Control *Harmony 785* to enter the program mode for compiling a playlist. While in the program mode the display offers the following information:

```
▶      Edit Program      ◀
   Track 02 ➜ 19 of 19
Prog. Time: 47 min 13 sec
        Add Track: 07
```

Line one of the display indicates that the ART G2 is now in program mode.

The second line shows the number of current program step and the total number of program steps of the playlist. Additionally, the number of track currently occupying the current program step is indicated. In the example above the playlist consists of 19 program steps at all, and step 19 is occupied by track no. 2.

Line no. 3 informs you about the total playing time of the playlist. In the example above the total playing time is 47 minutes and 13 seconds.

The fourth line shows the number of the track currently selected to be added to the next program step of the playlist. In this example it is track no. 7.

Now there are two different ways to add a track to the playlist.

Use the keys ◀◀ and ▶▶ of the remote control or the keys $\boxed{◀◀}$ and $\boxed{▶▶}$ of the Audionet System Remote Control *Harmony 785* to select the desired track. Check your current selection by looking at line 4 of the display.

Alternatively, use can use the digit numbers to enter the desired track number directly. With each entry of a digit the old digits are shifted one step to the left, so type the 2nd digit of the desired track number first, then enter its 1st digit.

Example: To enter track number 25 press the following keys:

Key	Line 4 of display
-	Add Track: 01
2	Add Track: 12
5	Add Track: 25

To add the selected track as described above to the playlist press key **PROG** of the remote control or key $\boxed{\textbf{\# enter}}$ of the Audionet System Remote Control *Harmony 785*.

Line 2 of the display proves now that the track was added successfully to the playlist: The total number of program steps was increased by one.

Now add all other tracks you like to the playlist as described above. The playback order corresponds to the programming order.

✎ Note

- If you compiled a playlist and the program playback mode is active while the disc is stopped, the total program (playlist) playing time **Prog. Time** is indicated in the display instead of the total disc playing time **Total Time**.

- Of course, you can program one track several times to different program steps. The playlist is only limited to a maximum of 99 program steps or a maximum playing time of 99 minutes and 59 seconds. If the maximum number of program steps or the maximum program playing time exceeds during programming the ART G2 will issue the warning

<div align="center">

Program full!

</div>

  to let you know that you cannot add the currently selected track.

- Please refer to section '*Edit a playlist*' on page 50 for how to erase single tracks from the playlist.

✿ Tip

In case you would like to playback a whole disc besides only some very few tracks you dislike, press key **Erase** or *** clear** of the Audionet System Remote Control *Harmony 785*. Now, all tracks of the disc are added automatically to the playlist. **Contrary to the method explained above, you now just enter the tracks that will be <u>deleted</u> from the playlist of all tracks of a disc.**

Please note the 4th line of the display. For this mode it now reads **Erase Track**.

```
┌─────────────────────────────────┐
│  ▶       Edit Program       ◀   │
│    Track 15 → 15 of 15          │
│  Prog. Time: 75 min 41 sec      │
│        Erase Track: 01          │
└─────────────────────────────────┘
```

Example:

Your currently inserted disc consists of 15 tracks. As you dislike track numbers 3 and 7, you would like to compile a playlist that consists of all tracks but numbers 3 and 7.

Press key **Erase** or *** clear** of the Audionet System Remote Control *Harmony 785* to add tracks of the disc to the new playlist and enter Erase mode.

Now press keys **0** , **3** , **# enter** , **0** , **7** and **# enter** to erase tracks 3 and 7 from the playlist.

To start playback press **PLAY** or ▶ . The tracks will be played back in the programmed order: 1,2,4,5,6,8,9,10,11,12,13,14 and 15.

Note

- Any existing playlist has to be deleted prior to using this function (refer to section '*Delete a playlist*' on page 52).

Important

- This function is only available if you use the Audionet System Remote Control *Harmony 785*!

11.9 Playing a playlist

As soon as you finished compiling a playlist you can start playback by pressing key **PLAY** of the remote control or key ▶ of the Audionet System Remote Control *Harmony 785* or key **play** on the front panel. Playback starts now with the first track programmed into the playlist.

The display indicates playlist playback by the symbol **Prog:** in the upper left corner. Directly below you will find the number of the current program step and the total number of program steps of the playlist:

```
Prog:          Track Time
02/17   Track   min   sec
    ▶     19   32:17
```

In the example above track no. 19 is playing. This is step 2 of 17 in the playlist.

Note

- If the random play function is active symbol **Prog:** is replaced by symbol **Random** in the display. Nevertheless, the number of the current program step playing and the total number of program steps in the playlist is still indicated.

- If you stop playback the playlist still resides in the memory. If you start playback again, the playlist will be played again.

- To delete a playlist, please refer to section '*Delete a playlist*' on page 52.

- If you would like to stop playing a playlist during playback and resume normal playback press key **PROG** of the remote control or key **Program** of the Audionet System Remote Control *Harmony 785*. Playback continues from current track to the end of the disc in normal playback mode.
  If you like to start playback of the playlist still in memory again stop

playback first (press key **STOP** or ■). Then press key **PROG** or **Program** to switch back to playlist playback mode. Playback starts right after pressing key **PLAY**, ▶ or play.

11.10 Edit a playlist

Provided that you already entered a playlist, you can still edit the list to your likes. Press key **Edit** of the Audionet System Remote Control *Harmony 785*. The display shows the same dialog as for adding tracks to the playlist (refer to section '*Compiling a playlist*' on page 47):

```
  ▶        Edit Program       ◀
      Track 02 ➜ 05 of 16
  Prog. Time: 47 min 13 sec
          Add Track: 07
```

By pressing key **Edit** repeatedly you can skip through the program steps of the playlist and check the corresponding track numbers. Refer to display line 2 in the **Edit Program** dialog. In the example above the playlist consists of 16 program steps, step no. 5 is occupied by track 2.

As explained in section '*Compiling a playlist*' on page 47, you can select tracks to add to the playlist by using keys |◀◀| and |▶▶| of the Audionet System Remote Control *Harmony 785* or using the digit keys. The currently selected track is indicated in display line 3. In the example above it is track 7.

To add the selected track to the playlist press key **Program** or key **# enter** of the Audionet System Remote Control *Harmony 785*. The selected track will be added to the playlist after the currently displayed program step. All further program steps will be pushed one step ahead. In the example above track no. 7 will be inserted after program step 5 (in this case track no. 2). The playlist will then consist of 17 program steps. The total playing time of the playlist is indicated by line 3 of the display

If you would like to erase a track from the playlist press key **Edit** of the Audionet System Remote Control *Harmony 785* repeatedly until the track to be erased is indicated by line 2 of the display.

Erase now the selected program step by pressing key **Erase** or *** clear**. The corresponding track is now deleted from the playlist. All following program steps will be shifted one step back. The total number of program steps and the total playing time of the playlist is updated.

Example:

Your playlist consists of the following tracks in the order:

Program step	1	2	3	4	
Track no.	07	12	18	03	

You would like to insert track no. 9 between tracks no. 12 and no. 18 (respectively program steps 2 and 3).

Repeat pressing **Edit** until line 2 of the display reads:
> **Track 12 ➜ 02 of 04**

Now press **▶▶** repeatedly until line 4 of the display reads:
> **Add Track: 09**

Insert track no. 9 into the playlist by pressing key **Program**. The playback order is now:

Program step	1	2	3	4	5
Track no.	07	12	09	18	03

Now you would like to erase track no. 18 from the playlist.

Repeat pressing **Edit** until line 2 of the display reads:
> **Track 18 ➜ 04 of 05**

Erase track no. 18 (respectively program step 4) from the playlist by pressing **Erase** or *** clear**. The new playback order is:

Program step	1	2	3	4	
Track no.	07	12	09	03	

🖉 Note

- If you press key **Edit** without a playlist in memory the ART G2 issues the warning:
> ▶ **No program available!** ◀

⚠ Important

- This function is only available if you use the Audionet System Remote Control *Harmony 785*!

11.11 Delete a playlist

In order to delete a playlist from the memory press key **stop / set** on the front panel or **STOP** of the remote control or [■] of the Audionet System Remote Control *Harmony 785* while playback is stopped. The following dialog will be displayed:

```
┌─────────────────────────────────┐
│  ▶      Delete Program?    ◀    │
│     Yes ->   Press STOP         │
│     No  ->   Press any          │
│              other key          │
└─────────────────────────────────┘
```
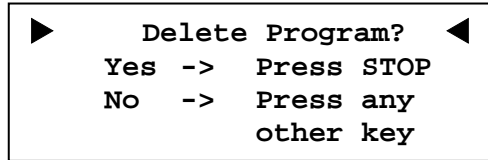
Press key **stop / set** or **STOP** or [■] again to delete the playlist.

If you decide not to erase the playlist press any other key or simply wait approx. 12 seconds for the ART G2 returning to normal display mode.

✿ **Tip**

- While playback is stopped you can also delete a playlist if you press key [**ERASE**] or [*** clear**] of the Audionet System Remote Control *Harmony 785*. The same dialog as described above will appear in the display. Use key **stop / set** or **STOP** or [■] to delete the playlist.

12   Setup menu Global Setup

If you hold key **stop / set** on the front panel for longer than 2 seconds, you enter the `Global Setup` menu of the ART G2. Press and hold key **stop / set** for longer than 2 seconds again to advance to the next menu item. After the last option you leave the menu. To adjust an option use keys **back / pause** and **play**.

Order of options in the `Global Setup` menu:

<div align="center">

↓[*1]

Set Display Brightness

↓

Set Digital Output Mode

↓

Set AutoOff

↓

Set AutoPlay

↓

exit menu

</div>

☼ **Tip**

- All options of the `Global Setup` menu can be adjusted using the keys of the front panel, but much more comfortable is the (optional) Audionet System Remote Control *Harmony 785* (refer to section '*Audionet System Remote Control Harmony 785*' on page 29).
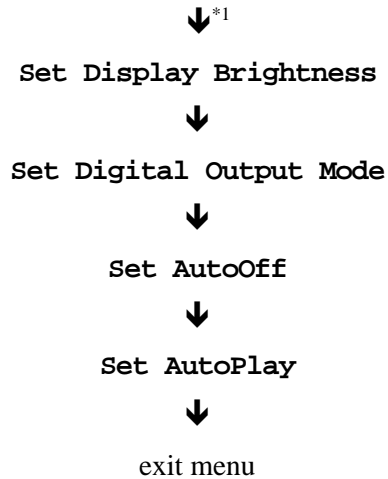
✎ **Note**

- You can enter the `Global Setup` menu at any time by holding key **stop / set** for longer than 2 seconds, even during playback.

- If you adjust an option of the `Global Setup` menu during playback, pressing key **stop / set** shortly (less than 2 seconds) will still stop playback (refer to section '*Playing discs*' on page 37).

- If you make no adjustments for longer than 12 seconds the ART G2 will leave the `Global Setup` menu automatically.

- During adjustments of the display brightness is set to 100% for better readability. After leaving the menu the user selected brightness level will be restored.

- If you switch off the unit to stand-by mode all adjustments will be stored in the non-volatile memory of the ART G2. Even after discon-

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[*1] ↓ = hold **stop / set** longer than 2 seconds

necting from the mains your ART G2 will still remember your settings.

In the following the options of the **Global Setup** menu are explained in detail.

12.1 *Set Display Brightness*

To adjust the brightness of the display of the ART G2 press key **stop / set** long once. Use keys **back / pause** and **play** to adjust the brightness.

⚠ Important

- **Long-term usage of the display set to maximum brightness (setting 100%) may cause extended signs of wear resulting in a decay of contrast or brightness of individual dots in the display. Do not use the display with a brightness set higher than the factory default setting of 50% over a longer period of time.**

✎ Note

- Is the brightness set to **Off** the display is only on during setup adjustments and will switch off several seconds after the last entry. The same applies for direct track access, time search and skipping/searching.

- If the disc is stopped, the cover opened or no disc inserted while the cover is closed, the ART G2 automatically activates the display saver after 10 minutes without user entry.

- During active display saver, all messages will be displayed at 25% brightness and varying locations in the display changing every 12 seconds to prevent any 'burn-in' effects of the display.

- During active display saver, the total playing time is displayed in the form **16Tracks 74min 03sec** while the disc is stopped.

☼ Tip

- If you own the Audionet System Remote Control *Harmony 785* press key **Dim Display** screen page 3 to branch directly to option **Set Display Brightness**. Use keys ⏮ and ⏭ to adjust the brightness of the display.

12.2 Set Digital Output Mode

To adjust the output format of the digital outputs of the ART G2 press key **stop / set** long twice. Use keys **back / pause** and **play** to select the output format.

LowBit Mode   Use the LowBit mode if the ART G2 is connected to a unit that **does not support** the Audionet HighBit Interface.

HighBit Mode Use the HighBit mode **only** if you connect the ART G2 to a unit that **supports** the Audionet HighBit Interface, like Audionet MAP V2.0 or Audionet MAP 1.

disabled   All digital outputs are disabled. Select this option if you do not use any of the digital outputs of the ART G2.

⚠ Important

* If you do not need any of the digital outputs do not use any jumpers to short-circuit the digital outputs. Instead, select **disabled** for option **Set Digital Output Mode** to switch off all digital outputs.

Please refer to the following tables to determine which digital output format at which sample rate and resolution is available at the digital audio outputs. The decision whether to use the HighBit or the LowBit mode depends on the kind of digital receiver unit your ART G2 is connected to (refer to section '*Digital output format*' on page 14).

Digital Output Mode	DATA LINK 9	OUT 1 10 SPDIF	OUT 2 11 SPDIF	OUT 3 12 AES/EBU	OUT 4 15 optical
LowBit Mode	44.1kHz / 16bit Stereo PCM	44.1kHz / 16bit Stereo PCM	44.1kHz / 16bit Stereo PCM	44.1kHz / 16bit Stereo PCM	44.1kHz / 16bit Stereo PCM
HighBit Mode	192kHz / 24bit Stereo Upsampling Audionet High Bit Mode	192kHz / 24bit Stereo Upsampling Audionet High Bit Mode		96kHz / 24bit Stereo Downsampling PCM	44.1kHz / 16bit Stereo PCM
disabled	no signal	no signal	no signal	no signal	no signal

 Tip

- If you own the Audionet System Remote Control *Harmony 785* press key │ **Digital Output** │ on screen page 3 to branch directly to option `Set Digital Output Mode`. Use keys │◄◄│ and │►►│ to select the digital output format.

12.3 Set AutoOff

To adjust the automatic shut-off feature of the ART G2 press key **stop / set** long for 3 times. Use keys **back / pause** and **play** to select the preferred function.

`never auto shut off`	The automatic shut-off feature is deactivated. The ART G2 stays switched on until it is switched off by the **power** key on the front panel, the remote control or the 'Audionet Link'.
`auto shut off in 30 min`	The automatic shut-off feature is active. In case the ART G2 is stopped or the cover is left open for longer than 30 minutes without receiving any command from the keys on the front panel, the remote control or the 'Audionet Link', the unit will shut off to stand-by mode automatically.

 Tip

- If you own the Audionet System Remote Control *Harmony 785* press key │ **Set** │ on screen page 3 to branch directly to option `Set AutoOff`. Press keys │◄◄│ and │►►│ to activate or deactivate the automatic shut-off feature.

12.4 Set AutoPlay

To adjust the automatic playback feature of the ART G2 press key
stop / set long for 4 times. Use keys **back / pause** and **play** to select the
preferred function.

never	The ART G2 never starts playback automatically.
power on only	Playback starts automatically only if the unit is connected to mains while a disc is inserted and the cover closed. Use this function if you like to control the ART G2 by a timer.
disc change only	As soon as a disc is inserted and the cover closed playback starts automatically after reading the table of contents of the disc.
power on & disc change	Combination of settings **power on only** and **Disc change only**.

⚙ **Tip**

- If you own the Audionet System Remote Control *Harmony 785* press
  key ⬛**Set** on screen page 3 twice to branch directly to the option **Set
  AutoPlay**. Use keys ⏮ and ⏭ to select the preferred setting.

12.5 Overview factory defaults

Option	Setting
Set Display Brightness	50%
Set Digital Out Mode	LowBit Mode
Set AutoOff	never auto shut off
Set AutoPlay	never

13   Security advice

⚠ **Important**

- Avoid packaging material, especially plastic bags, coming into children's hands!

- Store and operate the unit in a dry room at a reasonable room temperature only!

- Avoid moisture, any liquids, dirt or small objects getting into the unit!

- Set up the unit in a sufficiently ventilated environment!

- Do not cover the unit!

- Do not open the unit. Unauthorised opening will void warranty!

- Do not short-circuit the outputs!

- During connecting or removing the ART G2 to/from a pre amplifier both units and the corresponding power amplifiers have to be switched off to prevent damage of the ART G2 or any of the other connected units.

- Use dry cloth for cleaning!

We would like to wish you many exciting listening experiences you're your new Audionet product.

If you still have any questions, do not hesitate to ask your competent Audionet dealer or contact us directly.

14   Technical data

Function	Compact Disc Player
Laser system	Semiconductor laser, 780 nm wave length
Converter	192 kHz / 24 Bit, Dual Mono DAC, Multibit-Delta-Sigma method
Sample rate	44.1 kHz
Audio bandwidth	0 – 22000 Hz (-3 dB), 0 – 90000 Hz (-3 dB) analog
THD+N	typ. >100 dB (A weighted) @ -60 dBFS
SNR	> 110 dB
Channel separation	> 130 dB @ 10 kHz
Outputs	1 pair of cinch analog, gold plated 1 pair of XLR analog, gold plated 2 cinch digital, gold plated, 600 mV$_{ss}$ in 75 Ohm 1 AES/EBU digital, 110 Ohm, gold plated 1 optical digital 1 Audionet HighBit DataLink, digital 2 Audionet Link, optical (All digital outputs can be de-activated!)
Inputs	1 USB Audio / SPDIF (32 kHz … 96 kHz, 24 Bit) 1 Audionet-Link, optical
Output impedance analog	33 Ohm real
Output level analog	3.5 V$_{RMS}$
Mains	230 V, 50…60 Hz
Power consumption	5 W Stand by, max. 40 W
Dimensions	Width 430 mm Height 120 mm Depth 360 mm
Weight	22 kg

Finish	Front: brushed aluminium, black anodised, white print or aluminium 'nature', anodised, black print Display: red or blue Top: MDF, Nextel coated Cover: aluminium, black anodised Chassis: granite, steel, black
Features	- Remote control (included) - D/A converter with USB/SPDIF digital input - Top loader, absorbing MDF, aluminium and granite casing - massive disc drawer cover made of 10 mm aluminium, Teflon-bedded - decoupling of the transport unit by Audionet Aligned Resonance technology - special stabilizer made of POM - separate power supplies for digital and analog sections - Audionet Intelligent Sampling technology - discrete, extremely fast and stable filter and output stages - fully DC coupled, no capacitors in the signal path - Audionet HighBit interface - disengageable digital outputs - capable of de-emphasis processing - optional external power supply Audionet EPS for the analog section
Options	Audionet System Remote Control *Harmony 785*

Errors and omissions excepted. Specifications and design are subject to changes without prior notice.