



USER'S MANUAL

incantare MusicStation



Version 06.2009

You can download the latest version of this manual from the arcus website at
www.arcus-HighEnd.de

*D*ear arcus customer,

The "arcus" brand is synonymous with technically well-devised and highly innovative products. arcus opens up new perspectives which need to be experienced at close hand. Thank you for purchasing our incantare Music Station. We are delighted by your trust in our products.

Your arcus team

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1. SAFETY INFORMATION



Electrical devices are not toys

Never let your children use electrical devices without supervision.

Cells/rechargeable batteries can endanger life when swallowed.

Therefore keep the device and batteries out of the reach of small children.

If a battery has been swallowed, medical assistance must be sought immediately.



Moisture and cleaning

The device must be set up and operated in dry rooms only. Attention – this product is not waterproof. Do not immerse the device in water and do not allow it to make contact with water. Water seeping into the device can cause serious damage. Do not use any cleaning products that contain alcohol, ammonia, benzene or abrasive products, as these products may damage the device. The mains plug must be pulled out before the device is cleaned. To clean, only use a soft, dry cloth to wipe the surfaces of the device.



Heat

Do not expose the device to direct sunlight. Take care to ensure that the device is not exposed to any direct sources of heat, such as heating or an open fire. Ensure that the ventilation slits on the device are not obstructed.



Important information about hearing protection

Caution:

Your hearing is as important to us as it is to you.

Therefore please be careful when using this device.

The device has enormous power reserves and is capable of generating extreme volumes. If the device is used by children, take care to ensure that the device is not turned up too loud.

Attention!

Excessive volumes can cause irreparable damage in children and adults.

Setting a safe volume level

- When loud music is listened to on a continuous basis, your hearing gradually becomes used to this and gives you the impression that the volume is lower.
- What appears normal to you can, however, be damaging in reality.
- To protect yourself, set the volume to a low level.
- Increase the volume slowly, until you can hear clearly and without effort.
- Your hearing can undergo many types of damage, which cannot be reversed.
- If you become aware of an ear complaint, please contact a doctor.

Additional safety instructions

- Do not allow any objects to fall onto, or any liquids to seep into the device.
- If this occurs, pull the mains plug out of the socket and have the device examined by a professional.
- Place the device horizontally on a stable, even surface.
- Take care to ensure that the device's cooling system is not impaired.
- Position the device so that the connections cannot be touched.
- When the device is exposed to low temperatures (during transportation, for example), it must only be switched on once it has reached room temperature and any condensation that may have formed has evaporated.
- The plug should be pulled out of the socket if the device is not in use for a while. Before operating the device again, ensure that there are no short-circuits at the connection points and that all connections are properly attached.
- The user should carry out no works on this device other than the measures described in this user's manual.
- Apart from the manual interventions described in the user's manual, no works of any kind must be performed on the device by the user. The device may only be opened by a qualified professional. Repairs and fuse changes must be carried out by a specialist repair shop.
- In the event of damage or if an irregular function is suspected, it is mandatory to pull out the plug immediately and have the device examined by a specialist repair shop.
- If you have sensitive furniture on which you wish to place the device, we recommend a neutral underlay in order to prevent potential colour staining by the device's feet.
- Always switch off the device using the standby switch on the front before cutting it off from the electrical supply by activating the mains switch (on the rear of the housing) or pulling out the plug.

2. LEGAL NOTICE ON COPYRIGHT

Intellectual property, including music, is subject to worldwide copyright protection.

It is legal in most countries to create copies of legally acquired recording media (e.g. CDs) or music files (e.g. from the Internet) for personal use.

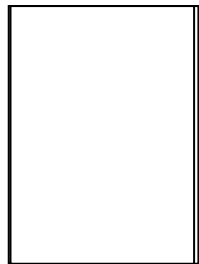
It is prohibited to offer these copies commercially or to give them to a third party.

Caution when downloading MP3 files from the Internet: Please make sure that the files are properly licensed, i.e. that the provider also has rights to the respective titles.

If you are not the originator yourself or you have not been granted the appropriate rights of use by the originator or rights holder, you should note that if you infringe on this right, there is a risk that beneficial owners may take action against this possible criminal act and assert their rights.

3. SCOPE OF DELIVERY

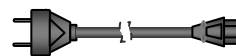
When unpacking, check the system's completeness in terms of:



User's manual



Remote control (illustrated for demonstration purposes) and



4. ENVIRONMENTAL PROTECTION INFORMATION

Professional recycling

Batteries and packaging materials have no place in domestic refuse.

Batteries must be handed in at a collection point for used batteries.

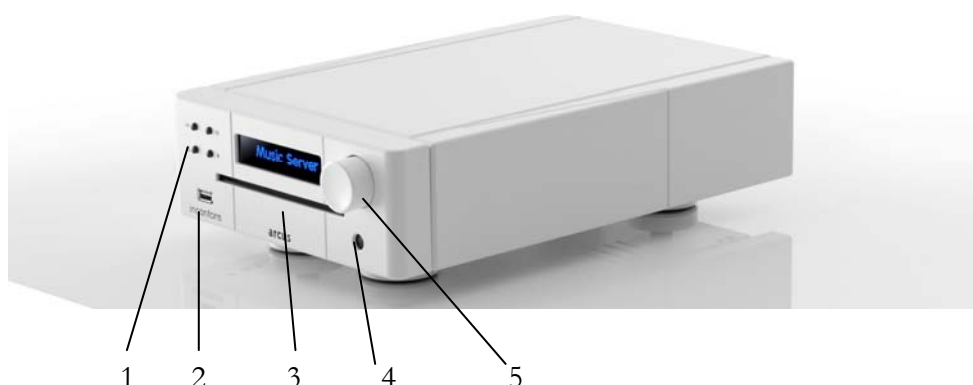
Conserve the environment by disposing of packaging material separately.



This product must not be disposed of via the normal household waste at the end of its useful life, but must be handed in at a collection point for the recycling of electrical and electronic devices. The symbol on the product, in the user's manual or on the packaging recalls this fact. The materials can be used again according to their description. By reusing, recycling materials or using spent devices in any other form you make an important contribution to protecting our environment. Please ask your local municipality for information on the relevant disposal point.

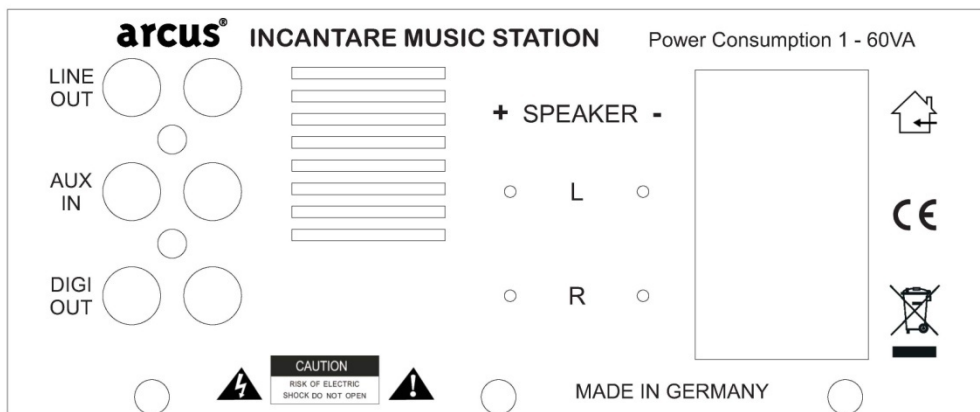


5. OPERATING ELEMENTS ON THE FRONT



- | | | |
|--|---|--|
| 1. Control Panel | Back Key | Starts the previous track when playing
Go back to the previous step in menu
Deletes letters when entering text |
| | Next Key | Turn on and play tracks at random from standby
Starts the next track when playing
Goto next step in menu – used when setting the time, finding a track, picking a CD name etc. |
| | Start/Stop key | Start playing or unpause
Stop playing/pause – enters standby after ~ 5 minutes
Start playing currently displayed track, album or playlist
Press and hold to Stop everything – Music playback, CD loading, USB transfer, Recording |
| | Eject Key | Eject CD
Delete track from playlist |
| 2. USB Port | Compatible with USB mass storage class devices, including most MP3 players, MP3 mobile phones, USB memory and USB hard disk drives.
USB 2.0 Full Speed 12Mbps/sec | |
| 3. CD Slot | Insert CD gently until it is pulled inside. Use Eject Key to eject. | |
| 4. Infra Red Window used by remote control | | |
| 5. Volume and Menu Control | Push to start the on screen menu
Rotate to scroll through menu choices
Push to select the item displayed
Rotate to pick up letter during text searches
Volume Control | |

6. INSTALLATION



When connecting the MusicStation it is mandatory that you observe the following indications:



- Never open the housing of the power supply unit. Your **life is at risk** from electrocution when the housing is open. There are no components to be cleaned or repaired inside the device.
- Operate the device using only an earthed socket with **100-240V~/ 50-60 Hz** alternating current. Information about your power supply ratings can be obtained from your local electricity provider.
- Only use the **supplied** mains cable, or a derivative of identical construction.
- The **mains socket** should be located in the vicinity of the device and within reach of the mains cable.

AVOID a situation where you have to stretch the mains cable in order to reach the socket.

- Arrange the cable of the Musicstation so that it cannot be tripped over or trodden on.
- **Place no objects or furniture on the cable**, in order to avoid damage.

It is essential that you switch off the MusicStation along with the rest of your system at all times when working on the cabling!

1. Line Out

Assymetric pre-amplifier output. An output stage or an active loudspeaker with asymmetric inputs can be connected here.

2. Aux In

Your choice of high-volume devices such as tuners, CD players, tape decks etc. can be connected here. Turntables cannot be connected as they require an extra amplifier stage in addition. However, special phono pre-amplifiers for turntables can be connected to these inputs again.

3. Digi Out

Digital output for digital playback units

4. Power Supply Switch

This is the amplifier's principal mains connection switch. If the switch is ON the unit is connected with the electricity mains.

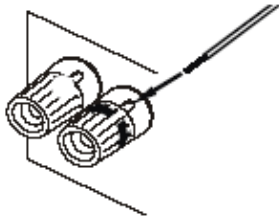
5. Power Supply Input Cord

The mains cable is inserted here

6. Speaker

The loudspeaker is connected to these terminals. Please take care to ensure that the loudspeaker does not fall lower than a minimum impedance of 4 ohm. Also ensure that there is no short-circuit at this port, so that no damage results for the output stage.

Connecting the loudspeakers:



1. Rotate the screwing terminal anti-clockwise until the cable opening becomes visible.
2. Insert the cable end into the opening and rotate the screwing terminal clockwise until the cable is secure.

Attention!

In doing so, make sure that each of the loudspeakers is correctly connected with the relevant amplifier output. Also pay attention to the correct polarity (+ -).

7. REMOTE CONTROL

Play/Stop

Same as on front panel – starts or pauses the music –plays selected track, album or playlist. Press and hold this key to stop all operations, CD loading, USB transfer & recording.

Find

starts track search – finds tracks containing a string of letters

Rip

transfers the current track to the USB device

Rec

starts recording from aux input to a track on the hard disk

Vol+ Vol-

adjusts the volume

Next

same as next on front panel. Start playing the next track or advance to next step in menu. Also used as cursor right when editing text

Prev

similar to back key on front panel. Starts playing the previous track or returns to previous in menu. Also used as cursor left when text editing.

History

lets you scroll through previously played tracks

0-9

Used to enter text when searching or naming tracks and albums. Uses the same convention as mobile phone headsets. 0 key turns off playlist.

Red-Violet

These keys correspond to each of seven playlists. One press display the playlist. A second press starts playing the playlist. Press and hold a key and the current track is added to the playlist.

Up / Down

Scrolls through menu options and choices

OK

selects the displayed menu item or choice – the same as pushing the main control on the front panel

Menu

starts the top level menu

Info

displays disk statistics or context dependent information

Intro

turns intro mode on and off. First press shows the current state. Subsequent presses changes the mode. Intro mode plays just the start of each track

Random

turns random mode on and off. First press shows the current state. Subsequent presses changes the mode. Random Mode plays tracks in a random order. Random Mode is turned off when an album is played

HDD / USB

selects music from the hard disk and the attached USB device. Track search will scan both. Random mode will embrace both sources.

CD

selects music from CD

USB

selects music from the attached USB device. Track search and random restricted to music on the USB

Aux

selects the aux input. The aux input must be selected before the record function will start



Inserting the Batteries in the Remote Control

Make sure that the polarities are correct. There should be no large objects blocking the way between the remote control and the unit.

Under normal circumstances the remote control should be used within a range of 6 metres, straight in front of the sensor and within a 30 degree range. To operate the device, direct the remote control towards the sensor window. There must be nothing blocking the way between the remote control and device.

If the remote control sensor is exposed to direct sunlight, it may lose its reception function. In this case you should place the unit in a different location.

If the remote control is not working or operating ranges are becoming shorter and shorter, you should check whether the remote control is still making contact or whether the batteries need to be changed. Never use batteries of different types together, or new batteries with used batteries. If the remote control is not going to be used for a while, remove the batteries in order to avoid damage due to battery fluid leakage

8. GENERAL INFORMATION

Music Organisation

Music on the hard disk is arranged as tracks in albums.

Most of the time the album and track names correspond to a CD you loaded and the album and track names come from the album database. You can rename album and track names.

If there is no entry in the database for a CD when it is loaded then MuiscStation will provide a name like “Album 123” that you can use or edit to make it more memorable.

Music recorded from the Aux input is put into a special album called “Recordings”. You can rename this album and subsequent recordings will be put into a freshly created “Recordings” album.

Each time you upload music from the USB port it is put into a new “album” that you can name.

Compression

arcus MuiscStation can compress music to MP3 so you can store more music on the hard disk.. Compression is slower than loading from the CD so music is loaded quickly in a raw form then compressed to MP3 when MuiscStation is in standby. During compression MusicStation displays the percentage progress and the number of remaining uncompressed tracks. You can choose the level of compression or disable compression. Any CDs loaded when compression is disabled will not be compressed. Some people may use this to keep an exact copy of a CD or just to have the best quality.

Playlist

MuiscStation lets you compile lists of tracks called playlists. You might compile a playlist for a special occasion or to create a mood. You can send all the tracks in a playlist to an MP3 player.

To make life simple there are seven playlists named after the colours of the rainbow -red, orange, yellow, green, blue, indigo, violet. The playlists are linked to seven number keys on the remote control. Press Once -to see how many tracks are in that playlist. Press Twice -to start playing the playlist. Press and hold - to add the current track to the playlist.

USB

arcus MusicStation is compatible with USB mass storage class devices including MP3 players, iPods, USB memory, USB hard disks and many MP3 mobile phones. (Note that iPods will only play music loaded into them by iTunes). arcus MusicStation lets you treat an attached USB device as a separate source of music or as an extension to the internal hard disk. If USB is selected on the remote then track search will only search the USB for tracks and arcus MusicStation will only play tracks on the USB device. If HDD+USB is selected on the remote then track search will search the internal disk and the USB device and play tracks from both. There is no notion of albums on the USB device because tracks on a USB device have no fixed organisation. So there is no USB album search. The Rip button on the remote transfers the current track to the USB device. The USB, PLAYLIST, ALBUM and CD menus support other functions like ripping a whole CD to the USB device.

Only MP3 files may be transferred to the USB device. If a track has already been compressed this is quite rapid but will be slower if ripping direct from CD or from an uncompressed raw track on hard disk. You cannot add a track on a USB device to a playlist - you must upload it onto the hard disk first.

Album database

The album database is derived from freedb - a public domain album database. The database is updated regularly and can be obtained through the arcus website. The database has been compiled by members of the public over the years so may contain misspellings and other oddities. CDs do not, in general, contain information about album and track names and a CD has to be identified by the pattern of track lengths - measured to the nearest 75th of a second. This pattern is a kind of fingerprint used to find the details in the album database. Often several CDs share the same fingerprint so you have to pick the right details when loading a CD. On occasions a music publisher releases different recordings of a CD so the fingerprint on your CD does not match the details in the database. If that happens you can enter the album name by hand and you may choose to name favourite tracks by hand.

Standby

arcus MusicStation enters standby mode after several minutes of inactivity. The hard disk is stopped but the only outward sign is that the source information is removed from the display.



If there are music tracks to be compressed -it happens during standby.

You don't have to do anything special to turn it back on - just press a button - the hard disk starts automatically.

9. QUICK START

Switching MusicStation on and off

The central mains switch is located on the rear of the device above the mains plug. Turn this switch to ON (symbol I) once all components have been connected.

arcus MusicStation enters standby mode after several minutes of inactivity. The hard disk is stopped but the only outward sign is that the source information is removed from the display. You don't have to do anything special to turn it back on - just press a button - the hard disk starts automatically.

How to Load a CD onto the Hard Disk

Insert the CD

Push the knob to select "Load CD to HD"

Turn the knob to find the album name then push.

How to find and play a track by name

Push the knob to start the menu system.

Turn the knob to select "Track Search" then push.

Turn the knob to pick a letter then push - repeat.

Press Next to see the matches.

Turn the knob to select a matching track

10. MENU SYSTEM

arcus MusicStation has a menu system for less immediate operations - like renaming tracks or setting the clock. The menu system also lets you operate the system entirely from the front panel - without the remote control. To start the menu from the front panel push the main control knob then turn it to see the choices - push again to select a choice. To start the menu from the remote press either the menu button then press up or down to see the choices - press the OK button to select a choice.

The next button takes you from one step to the next. In track search it takes you from text entry to the matching tracks. If you change your mind and want to go back press the back button - on the front panel or the remote. Press and hold the back button if you want to exit the menu system completely. You can often access functions in several ways. It helps to know that you can jump to the album menu from the track menu or pick a track from the album menu.

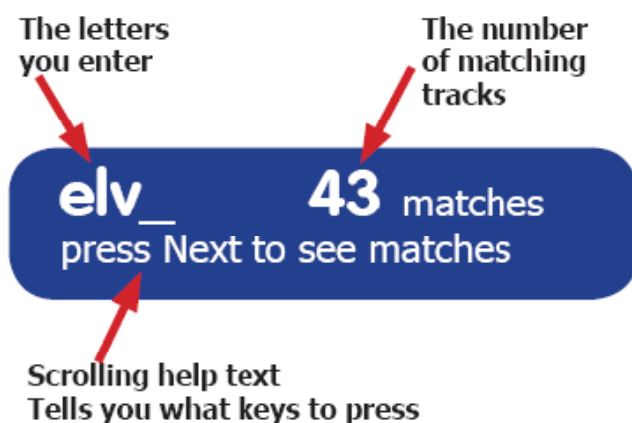
Main - Track Search

The Track search function is found in the main menu and is also started by the Find key on the remote. Track Search searches the hard disk and/or the USB device for track names containing a string of letters. Track search is a two step process and you can go back and forth.

Step 1 -enter some letters

Enter letters from the front panel by rotating the main control knob to see the letters then push to select. Enter letters on the remote using the numeric keys in the same way as texting on a mobile phone. (Press the “2” key once for “a”, twice for “b” and so on).

arcus MusicStation searches after every letter is entered and displays the number of matching tracks found.



The search is case insensitive and the letters can appear anywhere in the track name so “elv” will match with “Elvis” and with “velvet”.

Delete the last letter you entered with the Back button on the front panel or the Del button on the remote.

When the number of matches is low enough press the Next button to look at them -remember you can come back and add-to or change the letters.

Step 2 -look at the matches

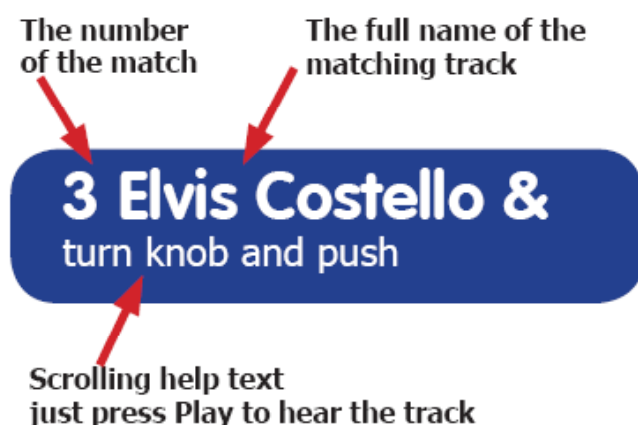
On the front panel turn the main control knob to see matching track names.

On the remote press the up and down keys to see the matching track names.

If you simply want to play the track shown press the Play/ Stop button on the front panel or the remote.

If you want to do something else with the track - like transfer it to the USB - then push the main control knob or OK on the remote. This goes to the track menu.

The back key takes you back to step 1.



Main - Album Search

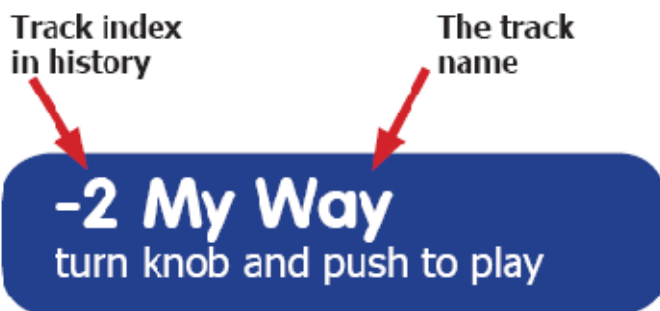
The Album search function is found in the main menu.

Album search is almost identical to track search except that.

- arcus MusicStation does not search the USB device because USB tracks are not necessarily organised in albums.
- When you play a matching album arcus MusicStation starts playing the first track on the selected album - and will turn off random mode so you hear the tracks in order.
- arcus MusicStation starts the album menu - as opposed to the track menu - when you select a matching album.

Main - History

The History function is found in the main menu and is also started by the History key on the remote. This function allows you to scroll through tracks you have previously played and replay them.



The track index is shown as a negative number - so minus one means the last track and minus two means the track before that.

You scroll through the list of previous tracks by turning the main control knob or using the up down keys on the remote.

The History will record tracks from the internal disk or the USB device but not tracks played from a CD. Tracks are only recorded once in the history so if you replay a track don't expect to see it appear many times.

Main - Browse Albums

Browse albums - in the main menu - lets you scroll through the albums stored on the internal disk. Albums are stored in the order you loaded them.



If you want to play the album press Play.

Press OK or push the main control knob to start the Album menu for more album related functions.

Main - Playlists

This entry in the main menu starts the Playlist menu.

The most common Playlist functions - Add Track and Play - can be done directly on the remote.

The Playlist menu also lets you edit, clear and send playlists to the USB.

Main - Current Track

This option selects the currently playing track and starts the Track menu. This option only works for tracks on the internal hard disk.

The Track menu lets you play, delete, rename, add to playlist and copy to usb.

An important option in the track menu is the album menu option. This allows you to select the album containing the current track - the current album.

Main - CD Functions

This option starts the CD Menu - which lets you play, load to hard disk, rip to USB, update the album database and play specific CD tracks.

Main - USB functions

This option starts the USB Menu - which lets you play, load to hard disk, transfer to USB, backup, restore and related functions.

Main - Settings

This option starts the Settings Menu. In the settings menu you will find occasionally needed functions like setting the time and alarm, setting the compression level and upgrading the firmware.

Main - Recording menu

This option selects the Aux. input and starts the Recording Menu. This is used to start and stop recordings and to set the level and maximum duration of recordings.

You can start recordings directly from the remote control - press the Aux key then press the Rec key.

Main - Disk Stats

This option displays a summary of the hard disk usage including number of tracks and albums, number of mp3 encoded tracks, disk space used and available space.

336 albums
5037 songs 5037 MP3
30.02 Gb used 27.20 Gb free

Track menu - Delete Track

This option deletes the selected track. You will be asked to confirm the deletion.

Track menu - Play Track

This option plays the selected track - you can also press Play anytime in the Track menu.

Track menu - Add to Playlist

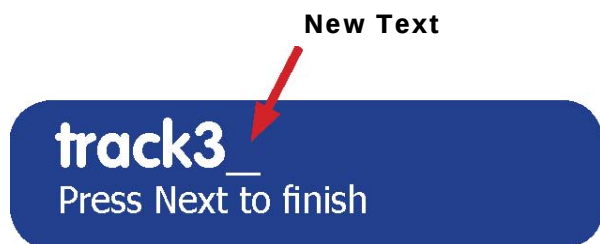
This option adds the selected track to a playlist.



Its quicker to add the currently playing track to a playlist by pressing and holding the corresponding number key on the remote. The menu option allows you to do it from the front panel - without the remote. Tracks are added to the end of the playlist.

Track menu - Rename Track

This option lets you change a track name. This is most useful if an unknown CD is loaded - no entry in the album database. In that case the tracks are called track1, track2 and so on. After renaming you will be able to find the track more easily.



Editing text on the remote is slightly different and offers a bit more flexibility than the front panel.

Front Panel:

You add letters or delete at the cursor -positioned at the end of the text.
 Add letters by turning the main control knob to see the letters then push.
 Press Back on the front panel to delete letters and press
 Next on the front panel when complete.
 You cannot add capitals from the front panel.

Remote:

You can add or delete letters and move the cursor - so you can change a single letter in the middle of a track name for instance.
 Enter letters on the remote using the numeric keys in the same way as texting on a mobile phone.
 (Press the “2” key once for “a”, twice for “b” and so on).
 Capital letters appear after the lower case letters on the same key - so keep pressing.
 Delete with the Del key on the remote.

Move the cursor left and right with the Prev and Next keys on the remote - these have a two way arrow underneath as a reminder.

Press OK on the remote when done.

The name of the track will generally be longer than the display can accommodate so only part of the name near the cursor may be shown.

Track menu - Album Menu

This option selects the album for the selected track and starts the Album menu.

The Album menu lets you play, delete & rename albums or copy the whole album to usb.

Track menu - Track to USB

This option transfers the selected track to the USB device.

You can also transfer the current track to the USB by pressing the Rip key on the remote.

Sometimes you may want to specify a target directory on the USB device. For instance some mobile telephones will only play MP3s if they are in the correct directory -like “music” or “mp3”.

The target directory can be specified using the USB directory option in the USB menu.

Album menu - Delete Album

This option deletes the selected album. You will be asked to confirm the deletion.

Album menu - Play Album

This option plays the selected album -you can also just press Play at any point in the Album menu.

Album menu - Pick Track

This option allows you to pick a track from the selected album.

The track number

The track name



Scroll through the tracks then either press Play to play the track or select one by pushing the main control knob or pressing OK - this starts the Track menu for that track.

Album menu - Rename Album

This option lets you change an album name.

This is often useful if you loaded an unknown CD - and you accepted the default name - something like “album 123”. It is also useful to rename the “Recordings” album. This is a special album used for recording from the Aux. input. Once you have completed a number of related recordings - say tracks from a vinyl album - rename the “recordings” album to reflect the content.

See the description of rename track for details of this function.

Album menu - Relabel Album

This option is a special function used when the album database is updated. There may be recently published CDs that you loaded that were not in the old album database but are in the new album database.

candidate album name



This option allows you to relabel the album and the tracks from the new database.

You need to select the correct album name from a short list of possibles taken from the new album database.

Album menu - Album to USB

This option transfers the selected album to the USB device.
See the description of the Track to USB function about the target directory.

Playlist menu - Add to Playlist

This option adds the current track to a playlist. The behaviour is the same as the Add to Playlist option in the Track menu.

Playlist menu - Play Playlist

This option selects and plays a playlist.



Its quicker to play a playlist by pressing the corresponding number key on the remote twice.
The menu option allows you to do it from the front panel - without the remote.
A playlist will loop back to the start after playing the last track and remains active until you press the zero key on the remote or press and hold Play/Stop on the front panel.

Playlist menu - Playlist to USB

This option transfers all the tracks on the selected playlist to the USB device.
See the description of the Track to USB function about the target directory.

Playlist menu - Clear Playlist

This option removes all the tracks from the selected playlist.
You will be asked to confirm the operation.

Playlist menu - Edit Playlist

This option allows you to cut and paste tracks in the selected playlist.
The Edit Playlist function relies on an invisible copy of a track - called the “cut track”. The cut track is like the clipboard on a PC and it holds a copy of the last track deleted. The cut track can be pasted many times in different playlists - it remains until another track is deleted or cut.
If you want a copy of a track you must cut it - then immediately paste it back.
Changes to playlists are immediate - you do not save the changes at the end like a PC application.

Position in playlist



You can edit a playlist from the front panel or the remote.

Front Panel

Turn the knob to see all the tracks in the playlist.
Press Eject to cut a track.
Push the knob to insert the cut track.
Press Next when done.

End of playlist



The cut track is pasted before the track shown. The end of the playlist is shown as - end -.

Remote

Press up and down to see the tracks in the playlist.

Press Del to cut a track.

Press OK to insert the cut track.

Press Next when done.

CD menu - Load CD to HDD

The CD Menu is started when a CD is inserted and from the main menu.

This option loads the entire CD to the internal hard disk drive (HDD).

The first step is to select a name from the album database.

candidate album name



Loading starts when you push the main control knob or press OK to select the appropriate CD name. If the suggested names do not match the CD select the last option - Other.

last option



You will then be presented with a temporary name for the CD - something like album123.

Its a good idea to edit this name to something more relevant so you can find or recognize the album later. See the Track Rename function for details on name editing



A CD loaded with the Other option is given track names track1, track2 and so on. Once loading has started the progress is displayed. You can listen to music while the CD loads although loading will slow down a bit because the system is doing two things at once. You stop a CD loading by ejecting the CD or by pressing and holding the Play/Stop key.

CD menu - Play CD

Plays the CD from track 1.
If the CD has just been inserted you may be asked to pick a name from the album database -so you can see the track names as it plays. You can play the CD from the remote by pressing CD then Play.

CD menu - Rip CD to USB

Copies the entire CD to the USB device.
Strictly speaking the CD is compressed to MP3 as it is transferred to the USB device.
If the CD has just been inserted you will be asked to pick a name from the album database - see load CD to HDD. The music is sent to the target directory on the USB device.
Note MP3 encoding makes this process slower than loading to HDD and will slow down further if you play music at the same time.

CD menu - Track to HDD

Loads one track from the CD to the internal hard disk.
This is identical to loading the entire CD but with an additional track selection step.

Pick track to load

3 Jailhouse Rock

Pick a track

CD menu - Track to USB

Loads one track from the CD to the USB device.

This is identical to loading the entire CD but with the above track selection step.

You can also rip a track from the CD by pressing the rip button on the remote when it is playing the CD. Note it is mechanically inefficient to rip and play the CD at the same time so playback will stop.

CD menu - Goto Track

Plays a specific track on the CD.

If the CD has just been inserted you will be asked to pick a name from the album database - see load CD to HDD. Track selection is shown above.

CD menu - Update CDDB

Installs a new album database from CD-ROM. Slow process - 20 minutes.

The Album database is derived from a database known as CDDB that contains details on more than 2 million CDs. The file on the CD-ROM, actually called SQDB, is over 500 Mbytes and is decompressed as it is loaded. Progress is displayed - with snippets from the database.

If you interrupt the update you will be left without a valid album database and will have to start again.

USB menu - Play USB

Plays music from the attached USB device.

You can do this from the remote by pressing USB then Play.

USB menu - Track to USB

Copies the currently playing track to the USB device.
You can do this from the remote by pressing the rip button.

USB menu - Backup Music

Makes a backup copy of your music to a USB device.

The device stores music on an internal hard drive. Hard disks are subject to a certain amount of wear. To prevent data loss, you should regularly backup your data. arcus is not responsible for possible data loss!

arcus does not accept responsibility for damages caused by updates performed improperly.

Keep the device away from magnetic fields, e.g. unshielded speakers, which can otherwise lead to data loss.

The internal hard disk is a mechanical device like the engine on a car and is subject to wear and breakdown. It makes sense to make a backup of the music to save having to reload the CDs in the event of a breakdown. To backup the music you will need a USB hard drive formatted with FAT32 and with sufficient capacity. You can find how much space is used by the music on the internal using Disk Stats in the Main menu.

Backup is time consuming but is incremental and is done in the background. That means you can listen to music while doing a backup. It also means you can interrupt a backup - press and hold the play/stop key - and restart it later.

Incidentally if you buy a second arcus MusicStation for another room in your home then you can use the backup to load the second arcus MusicStation rather than reload all your CDs onto the second system. While the system is doing a backup (and not otherwise engaged) it displays the number of tracks backed-up and the percentage through the current track.

USB menu - Restore Music

This recovers music from a backup USB hard drive.

Just like the backup - restore is time consuming, incremental and done in the background.

You may notice that when you attach a backup disk to the USB port that arcus MusicStation will allow you to search and play music from the backup disk.

USB menu - USB Directory

This option determines the target directory for tracks transferred to the USB device. Some mobile telephones will only play MP3 files in a specific directory. This function allows you to pick a suitable directory or enter a user defined directory. For many simple MP3 players the root directory is OK.

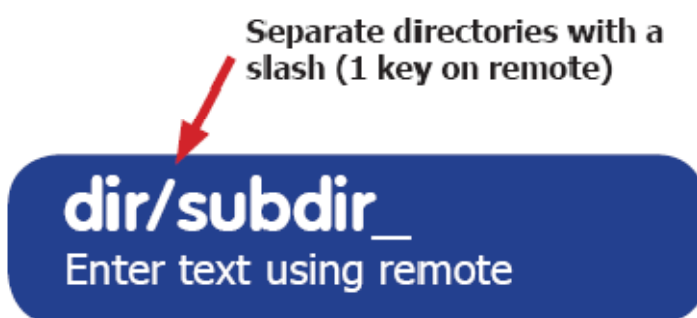


Target directory for transfers to USB

The options are

1. Automatic - arcus MusicStation decides on the directory
2. Root - the top level directory of the USB device
3. MP3
4. mobile/audio - audio subdirectory of mobile directory
5. music
6. other

Choose the other option if you need to define a different directory. You will then be allowed to edit the user defined target directory.



Text editing is described in Track rename but you will need the remote to enter a slash between directories for a nested target directory. You cannot enter slash from the front panel.

USB menu - Playlist to USB

This option transfers all the tracks on the selected playlist to the USB device.
See the description of the Track to USB function about the target directory.

USB menu - Export Names

This function creates a file on the USB device called “arcus catalogue”. The file contains the names of all the albums and tracks stored on the arcus MusicStation.

You can print this file or edit it on a PC (using a text editor like Notepad) as a convenient way to rename lots of tracks and album names. Each album has the following entries in the file:

album name - you can edit this

album identifier - do not edit

number of tracks - do not edit

track names - you can edit these

Do not change the number of lines in the file and avoid punctuation marks in the names.

USB menu - Import Names

This is the complementary function to the export names function. If you have changed any track or album names in the file “arcus catalogue” on the USB device then the corresponding tracks and albums will be renamed by this function.

Settings menu - Play mode

You can set the random and intro modes using the random and intro keys on the remote.
This menu option lets you scroll through all the combinations from the front panel.

Combined mode



Random Intro
turn knob and push to choose

Intro mode starts the next track after 12 seconds. Random mode plays tracks in a random order. Random intro is a fun way to skim your music. Classical mode turns off seque and stops playing at the end of each album.

Settings menu - Bass

This lets you adjust the amount of Bass.

Bass +1.5 dB
Turn knob to adjust

For the technically minded the Bass control uses a shelving filter with a corner frequency of 330Hz and -9.0dB to +9.0dB gain in 1.5dB steps.

Settings menu - Treble

Similar to Bass control but with a corner frequency of 3300Hz.

Settings menu - Set time

Adjust the hours, minutes then seconds by rotating the main control knob or using up and down keys.

24 hour clock

14:26:37
Adjust hours

Push the knob or press OK to advance. Press back to go back.

The Set time function uses a 24 hour clock.

arcus MusicStation has a battery backed clock so it will continue to run through power cuts.

Settings menu - Set Alarm

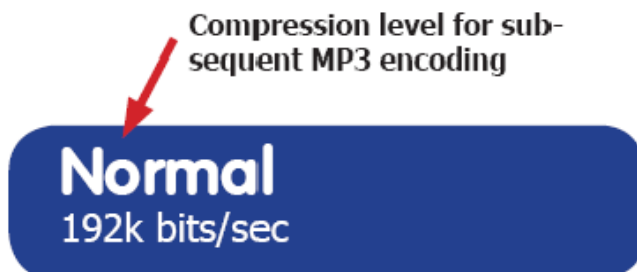
Adjust the alarm time hours and minutes and turn on/off by rotating the main control knob or using up and down keys.



Push the knob or press OK to advance. Press back to go back.
The alarm time is displayed alongside the main clock when the alarm is enabled.
The alarm plays music at the last volume setting - so make sure its not too loud.

Settings menu - Compression

Adjust the level of MP3 compression or disable MP3 compression.



The choices are.

Most Compressed -128k bits/sec

Normal -192k bits/sec

High Quality -320k bits/sec

No Compression -music not compressed

Music is compressed after it has been loaded from CD and when the unit is in standby. The compression level is therefore intended as a global setting as opposed to a track by track adjustment. Having said that - a CD loaded while compression is disabled will remain uncompressed - even when compression is re-enabled.

Settings menu - Brightness

Adjusts the display brightness. There is normal/bright setting and a dim setting for bedrooms.

Settings menu - New CDDB

Same as Update CDDB in the CD menu.

Settings menu - Update S/W

Upgrades the product operating system from data CD.

WARNING this operation overwrites the operating system and can render the system inoperable - only use with a data CD supplied by arcus and do not interrupt the process.

Follow the instructions on the display.

Recording menu - Start Recording

The Aux. input is selected when you start the Recording Menu - so you can monitor the auxiliary input on the speakers. This option starts recording from the Aux input to a file with a name like Aux1, Aux2 etc in an album called "Recordings".

You can also start a recording with the remote control by pressing Aux then Rec.

Recording continues up to a maximum time or stopped by the Stop Recording option of this menu or by pressing the Rec button on the remote control.

Recording menu - Stop Recording

Stops recording -you can also press Rec on the remote while recording - or press and hold the Play/Stop key.

Recording - Recording Level

For the best results the Recording level should be as high as possible without distortion or clipping on the loudest passages of music.

0-15



Level 5

Set recording level

So, if possible, arrange to have the loudest passage of music playing while you adjust the level. Turn up the recording level until you begin to hear distortion then turn it back down a little so it is free from distortion.

You should not need to change this setting for a given input source - a turntable or a tuner say.

Recording - Recording Timer

This option lets you set the maximum time for recordings.

0-99 minutes



Timeout 5 mins

Set recording timeout

11. TROUBLESHOOTING

Reset system

In rare cases, the unit or the display on the front of the device may not function as normal.

Erroneous data transmissions / information in the unit may be the cause of this.

Malfunctions of this type are remedied as follows:

Pull out the mains plug, wait at least three minutes and then re-insert it in the socket.

Problem:

The device is not working, even though the mains switch is activated.

Cause:

No mains supply.

Solution:

Make sure that the mains plug is correctly inserted in the socket.

Check whether the socket is conducting electricity.

Problem:

Display lights up, but no sound is played back

Cause:

Input connections are disrupted

Solution:

1. Turn off the device at the mains switch. Make sure that all inputs and loudspeakers are correctly connected. Check whether there are any short-circuits anywhere. Switch on the device again.

2. **Mute** is activated. • Activate the **Mute** button.

Volume control is on minimum. • Turn the volume up.

Problem:

Device does not react to commands from the remote control

Cause:

Batteries are too weak. Infrared sensor on the amplifier is obstructed

Solution:

Change batteries in the remote control.

Remove object that is blocking the sensor.

12. TERMS AND CONDITIONS OF GUARANTEE

arcus GmbH guarantees to the purchaser of this product that, under normal operating conditions, the product is free from material and processing defects. When claiming under the guarantee it is mandatory that the customer present the following documents and provide the following information.

- 1. The original purchase receipt showing date of purchase, name, address, serial number and model number of the product.**
- 2. A detailed description of the defect.**

Note:

A malfunction in the device does not automatically mean a defect.

Before sending in the device contact our service hotline on + 49 (0)700 60 77 77 77 or send us a brief fault description via e-mail: info@arcus-HighEnd.de .

In order to be able to claim our optimal guarantee and service performance, you have the option of registering. You will then also receive automatic updates on developments in your product and other products.

All arcus products are subject to a full quality inspection before leaving the factory. However, should manufacturing and/or material defects emerge during normal use, we provide a 2-year guarantee on our products.

You can extend your guarantee for electronic components to 3 years, and for loudspeakers to 5 years, by sending in the guarantee card and/or registering on our website www.arcus-HighEnd.de.

The guarantee period commences from date of purchase. The guarantee extension applies only for registered first-time buyers, and purchase must have taken place at an authorized arcus dealer.

The guarantee will become invalid if a repair is carried out by a person or repair shop that is not authorized by arcus, or if the serial number is changed, removed or made illegible. Cases which do not fall under the guarantee: transport damage, and damage arising as a result of improper use or installation. There will be no extension of the guarantee period as a result of a performance under guarantee, and also not in the event of repaired or replaced parts. The provisions of the German product liability law and of comparable foreign regulations remain, insofar as they are indispensable, unaffected. We reserve the right to perform technical modifications for the purpose of advancement.

13. TECHNICAL DATA

Output:	2 * 30 Watt RMS an 4 Ohm
Bandwidth:	20Hz - 20 kHz (+- 3dB)
Distortion factor:	< 0.02%
Channel separation:	> 85 dB (1 kHz)
Signal-to-noise ratio:	>98 dBA
Dynamics:	>105dB
Audio inputs analogue:	2 x Cinch
Input impedance:	47 kOhm
Outputs:	1x Cinch Preamp 1x Cinch Digital
Weight:	15 kg
Dimensions (WxHxD):	220 x 88 x 380 mm
Network voltages:	110-230 Volt; 50/60 Hz

14. IMPORTANT NOTE

We receive many enquiries concerning loudspeakers or playback devices recommended by us for our products. We therefore think you will be interested in reading our views on this.

arcus products are NOT developed in order to function / resonate only with specific loudspeakers or playback devices. arcus products are developed in order to play the music signal naturally. As long as your loudspeakers / playback devices follow the same principle, you will enjoy an outstanding sound experience at all times.

15. IMPRINT

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Phone: +49 (0) 700 / 60 77 77 77 • Fax: +49 (0) 700 / 61 77 77 77

E-mail: info@arcus-HighEnd.de • [http:// www.arcus-HighEnd.de](http://www.arcus-HighEnd.de)

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