Note:

Please read these instructions carefully and retain them so that you can refer to them again in future.

Canton does not accept liability for any damages resulting from the non-observance of the following points.

Select a base that is as level as possible for your DM System. Make sure the location is dry and clean and away from windows with direct sunlight, heat sources, vibrations, moisture and extreme cold. When setting it up on a smooth surface you should use the rubber feet supplied.

Never open the cabinet. If you come across any problems or defects contact your dealer or a qualified technician.

In order to avoid damaging your DM System it should only be used with the voltage specified on the nameplate.

In order to avoid the risk of fire or electric shocks the DM System should not be subjected to rain or high humidity (>80%). The equipment complies with the current EMV regulations at an ambient temperature of + 10°C …+40°C.

Do not apply force to the operating elements, connections or cables. To move the DM System to another location first unplug the mains cable and then disconnect it from other devices. Always pull on the plugs rather than the cable. Never touch the mains cable with wet hands.

In order to prevent the DM System from overheating it should be set up at a minimum distance of 5 cm from any walls or pieces of furniture. Avoid any heat accumulation and never cover your DM System with curtains, tablecloths etc.

Do not site your DM System close to heat sources or open flames (e.g. candles).

Do not put anything on top of the cabinet of the DM System or in front of the bass reflex opening, in particular no containers filled with liquids. Movement and vibration can lead to objects being damaged.

Do not insert any objects or parts of the body into the opening of the cabinet as live components inside the cabinet may be touched and damaged. This could lead to short circuits, electric shock or fire.

If the sound reproduction is marred by distortions such as unnatural knocking, throbbing or high frequency clicking the volume should be turned down immediately.

Do not use any chemical solutions to clean the device. Use a dry, clean cloth.

Extreme changes in temperature can cause condensation to form inside the DM System. Do not use the device until the moisture has evaporated (at least 2 hours).

The remote control batteries must be disposed of at a proper battery recycling centre. Batteries should be kept out of reach of children. Batteries must be inserted the right way up. Only use the batteries specified for use with this system (LR03 AAA 1.5V) or rechargeable batteries. The batteries supplied are not rechargeable and may therefore not be recharged.

Access to the mains plug should be kept clear at all times so that the device can be unplugged in case of emergency. For your own safety please unplug the DM System from the mains if it is likely to be unused for a long period or in the event of thunderstorms or potential flooding.

The user is responsible for making sure that the device is correctly set up and correctly connected to the mains. Canton does not accept any liability for damages or accidents caused by improper set up or connection.

Warning: Listening to music at high volume, in particular over a long period of time, can damage your hearing.

English

Dear Customer,

Welcome to the Canton family and thank you for the confidence you have shown in us with the purchase of this system. You have selected a high quality loudspeaker system, which shows that you have high standards regarding sound quality and workmanship.

Please read through these instructions carefully before setting up and connecting your DM System. They are designed to help you to get the most out of your system. The Canton distribution network covers over 40 countries. If you have any questions our team of experienced distributors along with the authorised dealers will be happy to help you.

We hope that you get many long hours of pleasure and satisfaction from your DM System.
The Canton team

System description

The virtual surround system of the DM Series creates a rich and full sound field that is normally only possible with 5.1 Systems. To achieve this sound quality the individual channels of a multi-channel recording are put through a special frequency-specific process and mixed onto two channels, which then creates the impression of surround sound in the room. The result is outstanding listening pleasure for minimum installation costs. The systems have an integrated, RDS-enabled FM Tuner and adaptive remote control, which can be used to control a second listening zone (Multiroom).

Package contents DM 90.2

The Digital Movie System DM 90.2 is supplied with the following components:

1) An active Center Surround loudspeaker with integrated audio receiver (including RDS-enabled FM Tuner).
2) A cable set for connecting 3 digital and 2 analog sources.
3) An easy-to-use remote control with display panel.
4) A coaxial cable for connection to a broadband cable network.
5) A power cable for connection to the mains power supply.
6) An aerial for VHF reception.
- Three batteries (LR03 AAA 1.5V) for the remote control
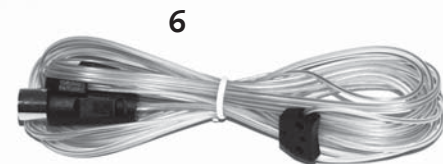
Positioning the DM System

The Center Surround loudspeaker DM 90.2 should be positioned above or below the television. A flat screen TV may be placed directly on top of the DM 90.2. If using a tube TV that may be deeper than the DM System you must be careful to ensure that it is securely placed on the DM 90.2 and is not able to wobble.

Warning: The DM 90.2 can only tolerate weights of up to 80 kg.

Rear view of the DM 90.2

Operation indicator (red = standby, green = on)

IR receiver

Power switch

PRE OUT 2.1/5.1 mode preamplifier – output

Screw for earth connection

Port only for software updates

DIGITAL INPUTS   ANALOG INPUTS   ANALOG OUTPUTS

CANTON
DIGITAL MOVIE

ON

OPT 1   COAX 1   LINE 1   LINE 2 / PHONO   SUB [MONO]   PRE   ZONE 2 / LINE

RIGHT   IR   OPERATION

OPT 2   COAX 2

LEFT

2.1 MODE = FRONT L+R
5.1 MODE = SURROUND L+R

CAUTION
BEFORE OPENING PULL MAINS PLUG !
ACHTUNG
VOR DEM ÖFFNEN NETZSTECKER ZIEHEN !
ATTENTION
AVANT OUVERTURE DEBRANCHER L'ALIMENTATION SECTEUR

CE

100-240V~
50-60Hz max.200W

FM RADIO
ANTENNA

Zone 2 / Line – output

Subwoofer – output

FM aerial connection

Digital inputs (optical)
for e.g. SAT, DVD …

Power cable socket

Digital inputs (coaxial) for e.g. SAT, DVD …

Analog inputs for TV, VCR, record player …

Connecting the DM 90.2

There is no need to connect up the individual "loudspeakers" with the DM 90.2 as all the wiring is internal.

Connecting the source devices

The Canton DM System offer a wide range of connection options for almost all popular source devices, such as DVD players, video recorders, satellite receivers, multi-media consoles (Playstation®, X-Box®, …) etc. The audio connections for your source devices need to be connected to the corresponding ports on the back of the DM 90.2. Source devices that have a digital output for Dolby Digital and DTS Bitstream should be connected digitally to the DM System. This ensures full Dolby Digital and DTS sound quality.

The video signal connections are made directly between the source devices and the image display device. The image source to be used is selected directly from the menu of the image display device.

In order to use the integrated FM Tuner of the DM System you need to connect the aerial supplied to the appropriate socket on the DM 90.2. Better reception will be achieved if the aerial is extended. For optimal reception we recommend connection to a broadband cable network or a roof-mounted aerial using the coaxial cable supplied.

Before you can start using the DM 90.2 for sound reproduction you need to go through the initial installation process and assign the inputs to the source devices. You will be asked to do this automatically when you first switch on the device (see page 12).

The **Line 2 / Phono** input allows you to connect either a line-level audio source (up to 2V) or a record player (up to 5mV). This can be done by selecting the relevant set up in the system menu.

The **Pre (2.1/5.1 Mode)** output allows you to connect, for example, active wireless loudspeakers. According to the set up selected in the System Menu (Factory Set / Gerätenamen) the output will be through the front channels in 2.1 Mode or the surround loudspeakers in 4.1 Mode.

The **Zone 2 /Line** output has a number of output options, which can be selected in the System Menu of the remote control:
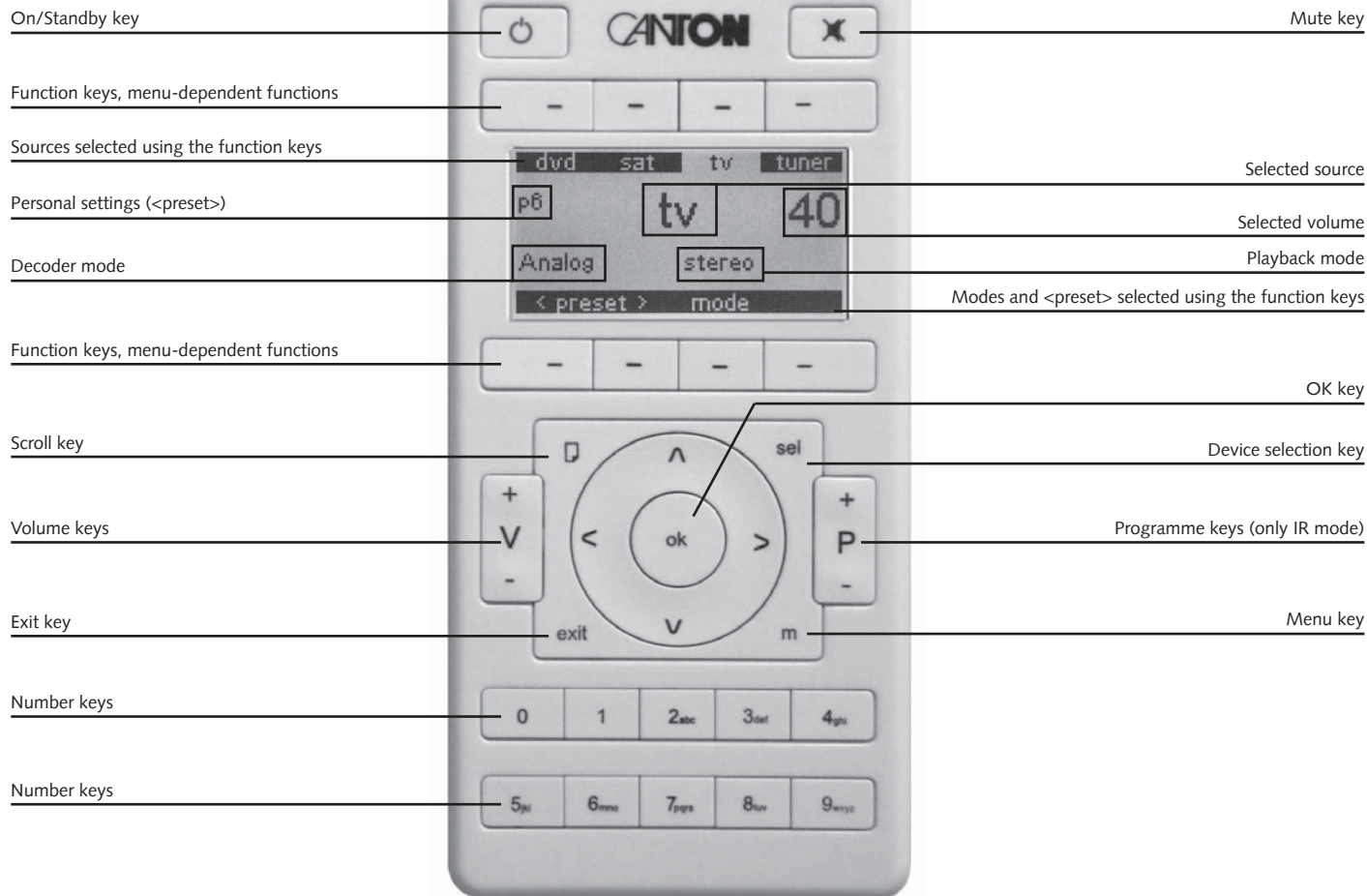
- **Zone 2** with individually adjustable volume for connection to an active Multiroom or wireless loudspeaker system.
- **Line** with fixed volume for connection to a recording device, etc …

Warning: In order to play 5.1 multi-channel recordings (Dolby Digital or DTS) via the ZONE 2/LINE OUT the "**dynamic**" setting in the System Menu should be set to "**comp**". For normal playback we recommend that you use the "**full**" setting (see page 40).

In order to use Dolby Digital/DTS signals (Bitstream) via Zone 2 you need to select Zone 1 (Main listening zone) as the input.

The **Sub** output allows an active subwoofer to be connected. This needs to be activated in the System Menu (see page 17). If the **Sub** output is activated the internal subwoofer of the DM System goes through the high pass filter while the external subwoofer goes through the low pass filter at 80Hz.

Remote control

On/Standby key

Function keys, menu-dependent functions

Sources selected using the function keys

Personal settings (<preset>)

Decoder mode

Function keys, menu-dependent functions

Scroll key

Volume keys

Exit key

Number keys

Number keys

Mute key

Selected source

Selected volume

Playback mode

Modes and <preset> selected using the function keys

OK key

Device selection key

Programme keys (only IR mode)

Menu key

Setting up the remote control

Insert the batteries supplied into the remote control. Be careful to insert them the correct way up according to the polarity markings (+/-).

Using the remote control

When all devices are connected to each other and the power has been switched on the Canton DM goes into Standby mode. Press any key to activate the remote control. If the remote control is not used for longer than 30 seconds it goes into idle mode. Press any key to reactivate it.

Note: When the device is turned on for the first time it starts the initial installation process automatically (see page 36).

If the display shows "keine Verbindung" then there is no radio connection between the remote control and the DM System. Check that the DM System is switched on and connected to the mains power supply or reduce the distance between the remote control and the DM System.
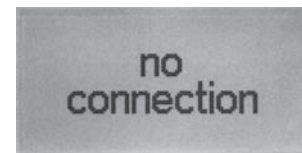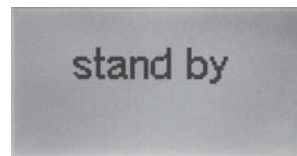
Operating the DM System

Press to start the DM System.

If you want to turn the DM System off again press again. The DM System will go back into Standby mode.

Note: If the DM System is disconnected from the mains power supply when it is still switched on it will automatically go back into an active state when it is reconnected to the mains power supply (e.g. via a master or slave multiple socket lead).

Initial installation

Before you can use the DM 90.2 you need to assign the inputs to the connected source devices. You will be asked to do this when you first switch the device on.

To get to the **input configuration** press `ok`.

Use the "<" and ">" arrow keys to choose names for the connected devices. You **must** confirm these by pressing "OK".

To exit the **input config** menu press `m` to save all the entries. Then press `exit` to end the initial installation and return to the main menu.

Warning: The arrow keys `∧` and `∨` may not be used when assigning the inputs.

Inputs that are defined as "not active" are not shown in the main menu.

Eingangskonfig	
Kein Eingang konfiguriert	
Zum Konfigurieren bitte mit OK fortfahren	

input config	
in opt1	not active
in opt2	not active
in coax1	not active
in coax2	not active
in line1	not active
in line2	not active

input config	
in opt1	dvd
in opt2	not active
in coax1	not active
in coax2	not active
in line1	not active
in line2	not active

input config	
in opt1	dvd
in opt2	not active
in coax1	not active
in coax2	not active
in line1	not active
in line2	not active

input config	
in opt1	dvd
in opt2	hd pl
in coax1	sat
in coax2	cd
in line1	tv
in line2	vcr

Main menu

The remote control supplied has 8 function keys that can be used in different ways for different operating modes. The upper and lower sections of the display show the functions of each key.

The sources can be selected using the (upper) function keys lying directly above them. If you have more than 3 sources you can use [D] to scroll on to the next page and back.

The **Volume (V+/-)** can be used to adjust the volume of the DM System in all menus (even when controlling IR devices) over 100 levels from 0 to 99.

Mute turns the volume off or on.

With **<select>** you can select one of the registered RF devices or a programmed IR device. If more than 8 devices have been registered/programmed you can use [D] to scroll to the devices that are not currently displayed.
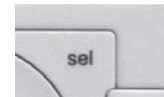
With **mode** you select whether the playback should be in one of the two stereo or surround modes. In addition to the "conventional" Stereo mode the DM System also offers a Wide mode with virtually extended stereo base.

In order to allow for the different recording philosophies that are present in music recordings we have implemented two surround modes. Use "**surround 2**", above all in cases of poor intelligibility (e.g. if the voice reproduction is unusually flat and incomprehensible).

The system automatically adjusts to the appropriate decoder mode according to the input signal.

The following decoder modes are possible:

Analog	Stereo	Analog
	Surround	Virtual Dolby PLII
PCM (digital)	Stereo	PCM
	Surround	Virtual Dolby PLII
Dolby 2.0	Stereo	Dolby Digital 2.0
	Surround	Virtual Dolby Digital 2.0 PLII
Dolby 5.1	Stereo	Dolby Digital
	Surround	Virtual Dolby Digital
DTS	Stereo	DTX
	Surround	Virtual DTS
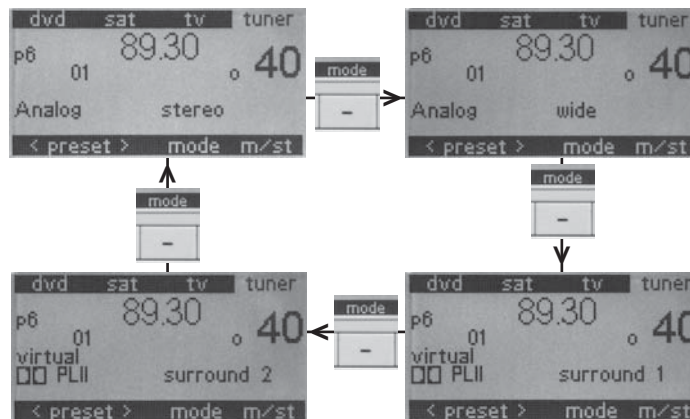
Tuner

The Canton DM 90.2 has an integrated FM Tuner (VHF) with RDS function. This can be selected using the function keys (radio) in the main menu of the remote control. There you can make the following adjustments:

The **automatic search** is activated by pressing and holding (>2 sec.) the "<" or ">" arrow keys (to search backwards or forwards). During the search process the word "Seek" will appear in the display. The DM System stops automatically at every station with a sufficiently strong signal.
The **manual search** is controlled by pressing on the "<" or ">" keys. This function can be used to fine-tune a radio station or to search manually for stations with a weaker signal.

Reduction of hissing in stereo reproduction
The DM System automatically uses stereo or mono reproduction depending on the strength of the signal. If you find a stereo reproduction has too much hissing you can use the [m/st] function key to change it to mono reproduction and reduce the hissing.

Stereo   Mono
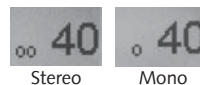
Saving a radio station
To save a radio station in a programme slot press [ok] and the programme slot number will start to flash. Use arrow keys [∧] and [v] to select from among 50 programme slots. Alternatively you can use the number keys to enter the programme slot number directly. After 5 seconds with no keys pressed the radio station will be saved in the programme slot shown on the display and the programme slot number will stop flashing.
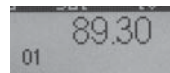
Note: The station name, transmitted via RDS, (e.g. HR 1, BR 2, SWR 3, …) will only appear upon selecting a saved radio station if the name appeared on the display at the point of pressing the OK key (the starting point of the saving process).

Selecting a saved radio station
Use the arrow keys [∧] and [v] to select a programme slot. Alternatively you can use the number keys to enter the programme slot number directly.

Optional settings of the DM System

Once your DM System is successfully connected and operational you have the option of setting various parameters. If you want to make any adjustments to the settings of the DM System just turn it on and press and hold [m] (longer than 3 sec.). To exit the Settings Menu press [m] again or use [exit].
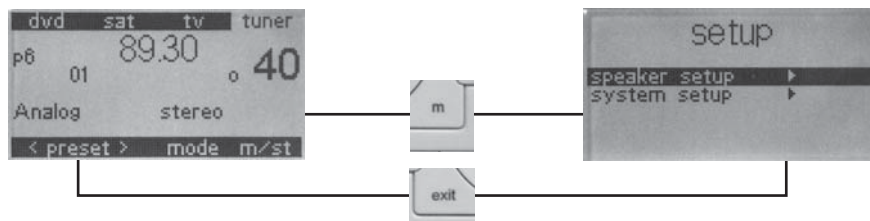
Note: Basically you can use [exit] to exit the Settings Menu from almost all sub-menus. [m] will just take you back one menu level.

Settings Menu

In the Settings Menu you can choose between the "Loudspeaker Menu" and the "System Menu". On the next page you will find an overview of the menus. A more detailed description can be found on the website www.canton.de.
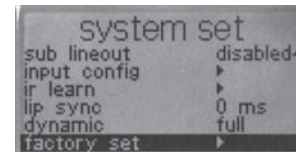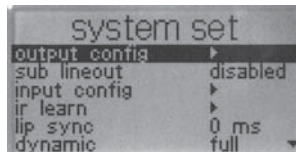
Loudspeaker Menu

In the Loudspeaker Menu the following parameters can be set to adjust the DM System to the room:

Personal values   To save all settings set in the loudspeaker menu up to 6 memory cells (<preset>)
Volume adjustment   To adjust the volume level of the individual channels (front left and right, subwoofer, …)
Distance   To balance out different distances between the loudspeakers and the listening spot
Sound   To adjust the treble and bass sounds to the room and according to personal taste
Bass expand   For the automatic volume-dependent adjustment of the bass volume level
Room adjust   Various parametric equalisers are available to balance out ambient factors

System Menu

In the System Menu the following parameters can be set:

Output config   To set the parameters for the Zone 2 /Line output
Sub output   To activate or deactivate the subwoofer output
Input config   To activate and name the 6 signal inputs (see the chapter "Initial installation")
IR programming   To programme various remote operations (DVD player, TV, …, see the chapter "Learn Menu")
Lip sync   To synchronise the sound with time-delayed TV images
Dynamics   To adjust the signal compression in the playback of multi-channel signals
Factory Set   The following parameters can be set using Factory Set:

|	
Switch-on volume	To limit the maximum switch-on volume
Max. volume	To establish the maximum volume possible
Device name	To select the device configuration (2.1 Mode or 5.1 Mode …)
Language	To select German or English
Line 2 config	To select Line Level Input or Phono Level Input
Factory setting	To return the DM System to the factory setting it was supplied with
Firmware	To display the software versions (DM, tuner and remote control)
Contrast	To adjust the contrast settings of the display

Learn Menu

Pressing ⬛ and ⬛ at the same time brings you to the "Learn Menu", where you can lern infrared-controlled devices and register other DM Systems.
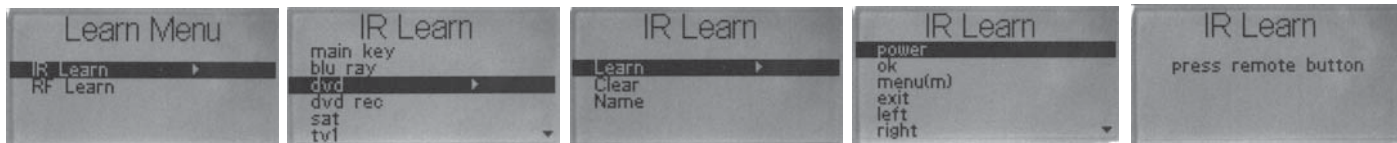

Once you have selected the source with the function to be programmed and confirmed your selection using ⬛ you will see the message "press remote button". Position the original remote control (e.g. from your DVD player) opposite the one from your DM System (approx. 5 cm distance). On the original remote control briefly press the key with the function to be programmed and wait until the process has been confirmed on the display.

If the programming has been successful you will see the message "**Programming successful**".

Repeat the process until all desired functions have been transferred. Press ⬛ to return to the previous menu.
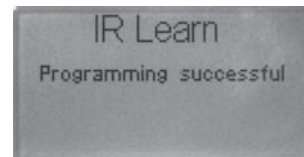

If the transfer of the remote control data is unsuccessful the message "**Programming failed**" will appear for approx. 5 seconds. After that the previous menu will be displayed and you can either repeat the programming or abort the process.
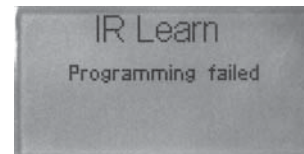
Deleting source devices
In order to totally delete a programmed device use the "Clear" function. After pressing this function you will be asked if you really want to delete the device. Confirm this by pressing the "yes" function key. To abort the process press "no". The remote control will then return to the Device Selection Menu. Use ⬜ to enter the "Learn Menu". To leave programming mode press ⬜ again.
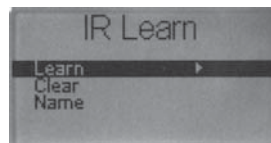
Renaming the source devices
If you want to rename a source device you can select a description from a comprehensive list of pre-programmed device names. Follow the steps described above.
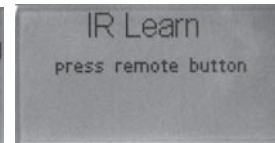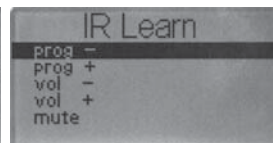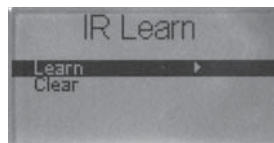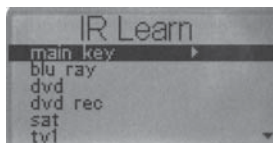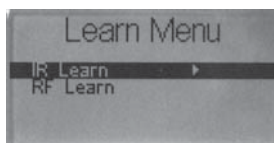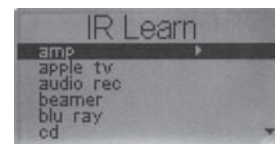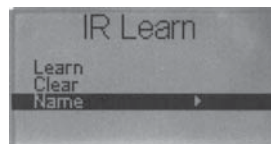
Programming the main keys
The DM System has 5 main keys (Programme +/-, Volume +/- and Mute), which can be allocated to the IR codes of other infrared-controlled devices. Follow the steps shown above.

Warning: The Volume +/- and Mute keys can only be used for infrared-controlled devices if no DM System has been registered. The volume control of the DM System will take priority over all other IR devices.

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# Register your remote control with a DM System

To register the remote control on a (further) DM System open the Programme Menu by pressing `exit` and `m` simultaneously. Select "RF Learn" and confirm this with `ok` . Select "new device" to register a DM System on the remote control. After confirmation you will be asked to connect the DM System to be programmed to the mains power supply and to switch it on. Before doing this you should ensure that the DM System had been disconnected from the mains power supply for at least 1 minute. The remote control will now try to connect with the newly activated DM System. A successful connection will be shown in the display as "**Installation successful**", while failure will bring the message "**Installation failed**". If the connection has failed you should identify the problem (device not switched on, distance too great, DM System not disconnected from the mains power supply for long enough, etc) and start the process again. After successful installation you must enter a name for the DM System. If you enter a name (e.g. DM 90) more than once the remote control will automatically allocate it a subscript (e.g. DM90.1, DM 90.2 …). You can then exit the "RF-Learn" menu by pressing `exit` twice.

If you wish to overwrite an existing DM System, instead of selecting "**new device**" you should select the system you wish to replace and confirm your selection with `ok` . Select the "**Learn**" function to proceed. Confirm the overwriting with the "**yes**" function key or abort the process with "**no**". Continue as previously described under "**new device**".

De-register your remote control from a DM System

To de-register your remote control from a DM System open the Programme Menu by pressing the `exit` and `m` simultaneously, select "**RF Learn**" and confirm with `ok` . Select the system you wish to "**delete**" and confirm your selection with `ok` . Select and confirm the "**Clear**" function to continue. Complete the de-registration process by pressing the "**yes**" function key or abort the process with "**no**".

Troubleshooting and Optimisation

Remote control (abbreviation: RC)

Description of problem	Possible cause(s)	Solution
The RC display is blank	1. The RC is in idle mode 2. The batteries are missing or wrongly inserted 3. The batteries are "empty"	1. Press any key to activate the RC 2. Insert the batteries correctly (+/-) 3. Insert new batteries correctly (+/-) or charge rechargeable batteries
The RC keeps showing "Welcome CANTON", "Good bye CANTON" or "please wait"	1. The RC processor has crashed 2. The DM System processor has crashed	1. Remove a battery from the RC for min. 30 minutes then re-insert correctly 2. Switch the DM System off at the mains for min. 30 minutes then switch it back on
The RC shows "no connection"	1. The DM System is not ready 2. The distance between the DM System and the RC is too great 3. The DM System processor or the RC processor has crashed 4. The RC is not registered with the DM System	1. Connect the DM System to the mains power supply and / or switch it "ON" 2. Reduce the distance to less than 10 m 3. Turn the DM System off at the mains for min. 30 minutes then turn it back on and / or remove a battery from the RC for min. 30 minutes then re-insert correctly 4. Register the DM System following the instructions on page 43 (Register your Remote Control with a DM System)
Display on the RC is hard to read	1. Poor contrast setting	1. Press the "0" and "4" keys simultaneously until "kontrast xx" is displayed and use "<" or ">" to adjust the contrast. Press "exit" to close the window
The display is in the "wrong" language (German and English are the 2 options)	1. The display language of the RC has been switched 2. The language of the DM System has been switched	1. Press the "5" and "9" keys simultaneously until "language" is displayed and use the function keys to select the desired language (display) 2. In the "System Menu" (m = > System Menu => factory set => language) select the desired language
The RC jumps from IR mode into DM System mode	1. The batteries are almost "empty"	1. Insert new batteries correctly (+/-) or charge rechargeable batteries
In IR mode commands are carried out 2x	1. When programming the code the key on the original RC was pressed for too long 2. The key on the DM – RC was pressed for too long	1. When programming the function only press the key on the original RC for a (very) short time 2. Only press the key on the DM – RC for a very short time
IR device is not operating (correctly)	1. The device has not been correctly programmed 2. The distance between the RCs was too great / too short 3. The code of the original RC cannot be programmed	1. Repeat the programming process for the Canton RC with the original RC of the IR device 2. Ensure a distance of approx. 5 cm between the RCs when programming 3. Due to the wide range of devices on the market it can happen that codes cannot be programmed. Unfortunately this problem has no solution

English

No inputs except "radio" can be selected	1. No inputs have been registered in the "input config" menu (e.g. initial installation was terminated with "exit")	1. Register the relevant inputs in the "input config" menu (m => System Setup => input config). Follow the exact instructions on page 36!
	2. During the configuration process the "up" or "down" arrow keys and / or the "exit" key were used	2. Register the relevant inputs in the "Eingangskonfig" menu (m => System Menu => Eingangskonfig) and only use the correct keys (see page 36)
DM System does not recognise Dolby Digital or DTS data stream	1. The source is only connected to the analog port (Line 1 or 2)	1. Connect a digital output from the source device to Opt 1 / 2 or Coax 1 /2
	2. The wrong settings have been selected on the source device	2. Select "Bitstream" or "Raw" as the data format on the source device (referring to the instructions given for the source device)
No signal from Zone2 / Line - Output	1. There should be a multi-channel signal from Zone2 / Line	1. Set "dynamic" (m => System Setup => Dynamic) to „comp", under "Output Config" (m => System Setup => Output Config => Input) select "zone 1" as the input and on the main screen select the desired source as input
	2. The volume for Zone2 is set too low	2. Increase the volume for Zone2 – output under "Volume" (m => System Setup => Output Config => Volume)
RC only displays "surround" instead of "surround 1" and "surround 2"	1. The DM System has been set to 4.1 or 5.1 mode	1. Set the system to 2.1 mode under "system preset" (m => System Setup => factory setup => System Preset)
Distorted radio reception	1. Poor aerial position	1. Arrange the extended (!) aerial as openly as possibly, well away from metal surfaces
	2. Poor geographical location	2. Use a roof-mounted aerial or a broadband cable connection
	3. The station has not been properly set	3. Tune the station manually, following the instructions on page 39
A set radio station is no longer available once the system has been switched off and on again (display back on 87.50)	1. The station was not allocated a programme slot	1. Simply press the "OK" key to save a station in Programme Slot 1
Sound and image are not (lip)synched	1. Long processing times in the TV delay the image	1. Delay the sound in "lip sync" (m => System Menu => lip sync) so that the image and sound are synchronised (simultaneous)

DM System -> Volume

No (music) playback	1. The DM System is switched off or in Standby mode	1. Switch the DM System on so that the RC displays the main screen
	2. The volume is set low or on mute	2. Use Volume + (V+) to increase the volume
	3. The wrong input has been selected	3. Select the input that is connected to the relevant source
	4. The signal (data stream) from the source has not been recognised by the DM System	4. Set the source to a different data format or select another audio format during playback (referring to the instructions of the source device)
	5. Wrong setting of Line2 / Phono input when using a record player	5. Set Line 2 / Phono – Input "line2 config" to "phono" (m =>System Setup => factory set => line2 config)
Volume will not go above a certain value (</=99)	1. The "max volume" is set to the maximum possible value	1. Set the volume limiter (m => System Setup => factory set => max volume) to the desired value (max. 99)
DM System is quieter when switched on than when switched off	1. The "start volume" is set to a value that is lower than the volume set before switching off	1. Set the "start volume" (m => System Setup => factory set => start volume) to the desired value (max. 99 but not higher than "max volume")
The balance is wrong (location is not central)	1. The volume adjustment of the satellite speakers is wrongly set or the listening spot is not central	1. In the Loudspeaker Menu use (m => Speaker Setup => Level Trim) to set the correct volume levels and (m => Speaker Setup => Speaker Distance) to set the correct distances

DM System – Sound

In Surround Mode there is little or no surround sound	1. The Play Mode is set on "stereo" or "wide"	1. Set Play Modes to "surround 1" or "surround 2"
	2. The listening spot is not central enough	2. In the Loudspeaker Menu use (m => Speaker Setup => Level Trim) to set the correct volume levels and (m => Speaker Setup => Speaker Distance) to set the correct distances to the listening spot
	3. The source only supplies a 2-channel signal	3. To achieve optimal sound in the room the DM System requires a multi-channel data stream. In this case the RC displays "virtual Dolby Digital" or "virtual DTS". All other displays (e.g. "Virtual Dolby PLII) mean that it is not a multi-channel data stream, which leads to less of a surround sound impression
	4. The DM System is set to 4.1/5.1 mode	4. Set the system to a 2.1 Mode with virtual surround-mode at "System Preset" (m => System Setup => factory setup => System Preset)

In Surround Mode the voices are hard to understand	1. During recording (BD or DVD) the voices were mixed between the right and left channels 2. The DM System is in 5.1 mode	1. Select "surround 2" as Play Mode 2. Set the system to a 2.1 or 4.1 Mode at "System Preset" (m => System Setup => factory setup => System Preset)
The DM System has little or no low bass	1. Listening at a (very) low volume 2. The output for an external subwoofer is activated but no subwoofer has been connected or is operating 3. The DM System is in a poor acoustic location 4. Equalisers have been set in the "Room Comp" menu (volume level increase)	1. Set "Bass expand" (m => Speaker Setup => Bass expand) to "low" or "high" 2. Deactivate the output for an external subwoofer at "Sub Output" (m => System Menu => Sub Output) or connect it to an operational external subwoofer using Sub-Out 3. Where possible, set up the system in a different position (e.g. closer to the wall) 4. Correct or delete the settings for the room adjustment (m => Speaker Menü => Room Comp => subwoofer)
The DM System has too much low bass	1. Listening at a high volume and activating the "Bass expand" 2. Using an external subwoofer with too high a level 3. The DM System is in a poor acoustic location 4. Equalisers have been set in the "Room Comp" menu (volume level increase)	1. Set "Bass expand" (m => Speaker Setup => Bass expand) to "low" or "off" 2. Adjust the external subwoofer (to a lower level) 3. Where possible, set up the system in a different position (e.g. closer to the wall) 4. Correct or delete the settings for the room adjustment (m => Speaker Menü => Room Comp => subwoofer)
The DM System has too little top bass	1. The DM System is in a poor acoustic location 2. Equalisers have been set in the "Room Comp" menu (volume level increase) 3. The bass level in the "Tone Control" menu is set to neutral or reduced 4. Use of an external subwoofer with the wrong phasing (phase adjustment) between internal and external subwoofers	1. Where possible, set up the system in a different position (e.g. closer to the wall) 2. Correct or delete the settings for the room adjustment (m => Speaker Menü => Room Comp => subwoofer) 3. Increase the bass level in the Sound Regulation menu (m => Speaker Menü => Tone Control => Bass) 4. Correct the phasing on the external subwoofer to suit the DM internal subwoofer or change the position of the external subwoofer

The DM System has too much upper bass	1. The DM System is in a poor acoustic location	1. Where possible, set up the system in a different position (e.g. closer to the wall)
	2. Equalisers have been set in the "Room Comp" menu (volume level increase)	2. Correct or delete the settings for the room adjustment (m => Speaker Menü => Room Comp => subwoofer)
	3. The bass level in the "Tone Control" menu is neutral or	3. Decrease the bass – level in the Sound Regulation menu (m => Speaker Menü => Tone Control => Bass)
The DM System has too little or too much level in the whole bass range	1. The volume level adjustment for the subwoofer is set wrong	1. In the Speaker Menu (m => Speaker Menu => Level Trim =>subwoofer) set the desired volume level for the subwoofer
The DM System sounds "flat" (too little treble)	1. The listening area has severely dampened acoustics or the treble sound setting is set very low	1. Increase the treble setting in the sound settings menu (m => Speaker Menü => Tone Control => treble)
	2. A pure stereo signal is being played in one of the surround modes	2. Set the DM System to stereo play mode
	3. Equalisers have been set in the "Room Comp" menu (volume level increase)	3. Correct or delete the settings for the room adjustment (m => Speaker Menü => Room Comp => front)
The DM System sounds sharp or aggressive (too much treble)	1. The listening area is acoustically hard (less dampened) or the treble sound setting is too high	1. Decrease the treble setting in the sound settings menu (m => Speaker Menü => Tone Control => treble)
	2. Equalisers have been set in the "Room Comp" menu (volume level increase)	2. Correct or delete the settings for the room adjustment (m => Speaker Menü => Room Comp => front)
The sound signal sounds (very) distorted	1. Listening at very high volume, which leads to overmodulation of the DM System	1. Immediately reduce the volume (also to avoid damaging the device)
	2. Use of an analog input with a signal level that is too high (level of the source is higher than 2Veff)	2. Decrease the level of the source if this has a volume control
	3. Use of Line2 / Phono input with a Line-level source and the "Phono" setting	3. Set the Line 2 /Phono – Input to "line" at "line2 config" (m => System Setup => factory set => line2 config)
	4. Use of Zone2 – Output to operate an external device with a level that is set too high	4. Reduce the volume for the Zone2 – Output using the Volume menu (m => System Setup => Output Config => zone2 vol)
	5. With multi-channel recordings it is theoretically possible that the signal processor of the DM System will be overmodulated	5. Set the "dynamic" to "comp" (m => System Setup => dynamic)

General maintenance advice

In order to ensure that your Canton loudspeakers continue to give you pleasure for a long time please follow these care instructions: Never expose the loudspeaker cabinet to direct sunlight. Avoid extremes of temperature and protect your loudspeaker from humidity. Do not clean the surface of the cabinet with alcoholic or abrasive cleaning agents. Use of a lint-free cloth is recommended.

Play-in time

A loudspeaker needs a play-in time of approx. 15 – 20 operating hours to develop its full performance potential. During this time the properties of all the mechanical parts alter until they reach the values laid down in the design of the loudspeaker, i.e. the chassis suspension becomes more flexible and the playback quality improves.

English

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example- use only shielded interface cables when connecting to computer or peripheral devices).

This equipment complies with Part 15 of the FCC Rules.Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

Caution!

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user authority to operate the equipment.