

User Guide

NOKIA
1210
Mediamaster



NOKIA
CONNECTING PEOPLE

Digital terrestrial Free-to-View is a non-subscription service through an existing TV and aerial.

Total Channel availability is subject to coverage.

You may be required to upgrade your television aerial to enable full service reception.

Contact information:

Nokia Support: 01793 556 046, E-mail: NHC.sales@nokia.com

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Read this before using the Mediamaster

- Do not use any other power supply than the original unit delivered with the Mediamaster.
- Allow 10 cm space around the Mediamaster for sufficient ventilation.
- Do not cover the Mediamaster's ventilation openings with items such as newspapers, tablecloths, curtains etc.
- Do not place the Mediamaster on top of a unit that emits heat.
- Do not place naked flame sources, such as lighted candles, on the Mediamaster.
- Use a soft cloth and a mild solution of washing-up liquid to clean the casing.
- Do not expose the Mediamaster to dripping or splashing liquids.
- Do not place any objects filled with liquids, such as vases, on the Mediamaster.
- To give your Mediamaster an extra protection, e.g. in a thunderstorm, we recommend that you connect it via an external surge protection device.
- Do not connect or modify cables when the Mediamaster is plugged in.
- Do not remove the cover.
- Do not allow the unit to be exposed to hot, cold or humid conditions.
- Service should be carried out only at a Nokia Authorised Service Centre.
- Please note that the only way to isolate the Mediamaster completely from the mains supply is to unplug the power supply!

Remote control

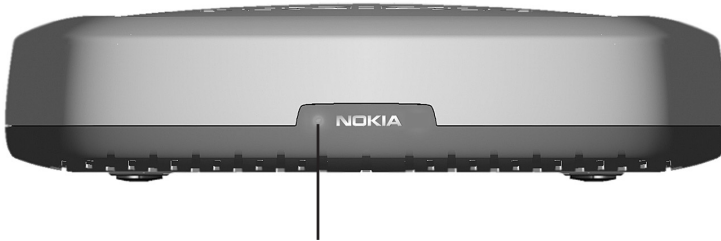
This section describes how to operate the Mediamaster using the buttons on the remote control.

- mute**/ Press once to turn the sound off/on (mute).
Press and hold for a few seconds to switch the Mediamaster into standby mode. Also press this button to switch it on.
- red**
green
yellow
blue Function keys for interactive applications.
- freeze** To freeze the picture. Press the button one more time to return to normal viewing mode.
- subtitle** To show and hide subtitles.
- wide** Toggle between Fullscreen, Combined and Letterbox formats. Your Mediamaster must be set to 4:3 picture format. When set to 16:9 the Mediamaster will automatically manage the picture display.
- menu** To open or close the Navi Bars.
- info** To display brief and detailed information (if transmitted) about current and next programmes.
- exit** Function key for interactive applications.
- ok** Confirm choices and selection of a highlighted item.
- ▼ ▲** Move up/down in the Navi Bars, within menus and change channels.
- ◀ ▶** Move left/right in the Navi Bars, within menus and adjust sound.
- P+ P-** Change channels up and down, one at a time. Return to TV mode from an interactive application.
- back** Go back one level at a time within menus .
- ▲ + -** Adjust the volume. The Mediamaster's maximum volume level is controlled by the TV's volume setting.
- 0 - 9** Select channels and to enter digits in menus.
Note: If **0** is entered as the first digit, the TV Release functionality is activated (see below).
- 0** TV Release. To switch between digital TV/Radio and analogue TV, satellite TV and VCR. Function may not be available on all TV and Video models.
- opt** To display temporary settings options while watching TV.
- txt** Press to enter digital text (if available).



Front and rear panel

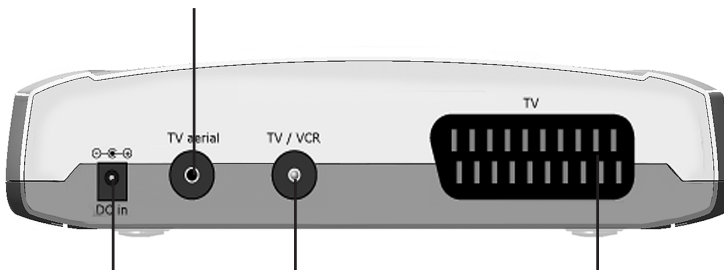
Front panel



A constant green light indicates that the Mediamaster is turned ON.
A constant red light indicates standby mode.
Flashes red when commands from the remote control are received.
Continuously flashes green during software update.

Rear panel

TV aerial
for the TV aerial



DC in
for connecting the cable from the external power supply

TV/VCR
for an RF-cable to the aerial input of the TV or VCR

TV SCART
for connection to the TV

Connecting the Mediamaster

The box for your Mediamaster should contain the following items:

- The Mediamaster
- Remote control with 2 AAA batteries
- SCART cable (fully connected; 1,0 metre)
- RF cable
- User Guide with software license agreement (
- Separate power supply.



SCART cable

RF cable

Remote control

Power supply

About the SCART socket

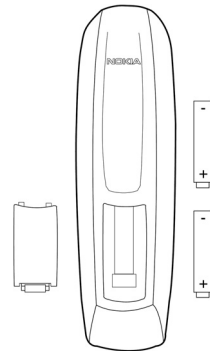
The rear panel of the Mediamaster is equipped with a **SCART** socket (see picture.) When you connect other devices to this socket, always **use a fully connected** SCART cable (as the one supplied.) There are SCART cables available which do not have all the pins connected. The picture quality could be reduced if you use them.



SCART socket

Preparing the remote control

- Remove the cover on the battery compartment at the bottom of the remote control.
- Insert the 2 AAA; 1,5 V batteries, as shown in the diagram, taking care to observe the + and - markings indicated inside.
- Replace the cover.



About digital transmission

Digital Radio and TV signals can be blocked by buildings, mountains and the terrain. Depending on if the receiver is located in a valley, behind a mountain or in a concrete building, the quality of reception may vary considerably.

As with most other transmissions, bad weather does affect the reception quality.

Connecting the Mediamaster

Connecting to the TV aerial

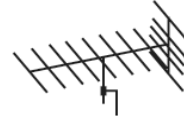
You can connect the Mediamaster to the following type of aerials:

1. Standard outdoor aerial

Where possible, use an outdoor roof aerial intended for receiving UHF channels between 21 and 69.

Please note the following:

- In some block of flats, the roof-mounted aerial system includes a filter and channel selector. If so, the aerial may not work with the Mediamaster. Please consult the landlord.
- Many older roof-mounted aerials may only receive a limited number of channels. As a result, digital channels transmitted on higher frequencies are difficult or even impossible to receive. The problem can be solved by replacing the roof aerial.
- Some outdoor aerials are directed towards an analogue transmitter. The aerial must be directed towards a digital TV transmitter.
- It is not always advisable to position the aerial as high as possible. If problems arise, experiment with different aerial heights.



2. Indoor and window mounted aerials

It is not advisable to use indoor or window mounted aerials, as digital channels will be difficult or even impossible to receive.

Connecting the Mediamaster

Common connections

There are many different types of TV/VCR and other equipment that you can connect to the Mediamaster.

In this section you will see some of the most **common** ways to connect your equipment.

If you have problems with your connections and need help, contact **your retailer or Nokia Support**.

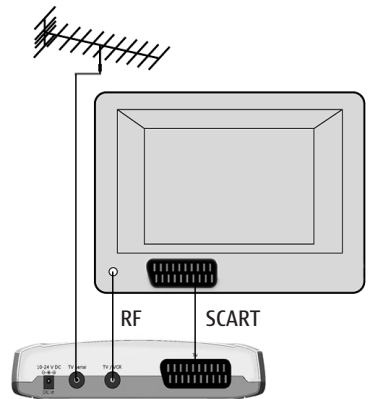
Connecting to the TV with SCART

- Remove the aerial lead from your TV and connect this to the TV AERIAL input socket on the Mediamaster.
- Connect a SCART cable between the main SCART socket on the TV and the TV SCART socket on the Mediamaster.
- Connect an RF cable from the TV/VCR output on the Mediamaster to the RF input socket on the TV.
- Switch on your TV, plug in and switch on your Mediamaster.

You may need to select the AV (SCART) channel on your TV to watch Digital TV. In some cases your TV will automatically select this channel when the Mediamaster is switched on.

Note: The RF lead will need to be connected in order to watch analogue channels (your old 1,2,3,4,5)

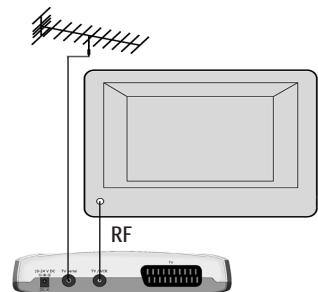
It is always advisable to consult your TV instruction book.



Connecting to the TV without SCART

- Remove the aerial lead from your TV and connect this to the TV AERIAL input socket on the Mediamaster.
- Connect an RF cable from the TV/VCR output on the Mediamaster to the RF input socket on the TV.
- Switch on your TV, plug in and switch on your Mediamaster.
- Select a programme number on the TV that is not currently used for other TV channels.
- Follow the instructions in your TV manual to tune the TV to pick up the First time installation menu.
- Follow the instructions in your TV manual to store this channel.
- When the First time installation menu is visible, press the **ok** button on the Mediamaster's remote control to start the installation procedure.

If the picture quality is bad you can later change the predefined UHF channel 43 to any other figure between 21 and 69. You will also have to tune your TV to the same (= the new) channel number. Please see **RF modulator output channel** setting on page 15.



Connecting the Mediamaster

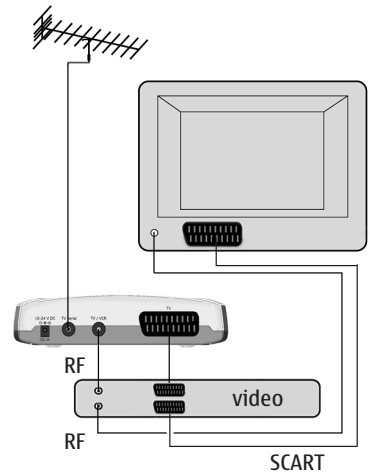
Connecting a video recorder with SCART

- Remove the aerial lead from your TV and connect this to the TV AERIAL input socket on the Mediamaster.
- Connect a SCART cable between the main SCART socket on the TV and the TV SCART socket on the Video.
- Connect an RF cable from the TV/VCR output on the Mediamaster to the RF input socket on the video.
- Connect an RF cable from the TV/VCR output on the video to the RF input socket on the TV.
- Connect a SCART cable between the SCART socket on the video and the SCART socket on the Mediamaster.
- Switch on your TV, plug in and switch on your Mediamaster.
- On your VCR there should be an AV select button. This should be selected to record Digital TV.

You may need to select the AV (SCART) channel on your TV. In some cases your TV will automatically select this channel when the Mediamaster is switched on.

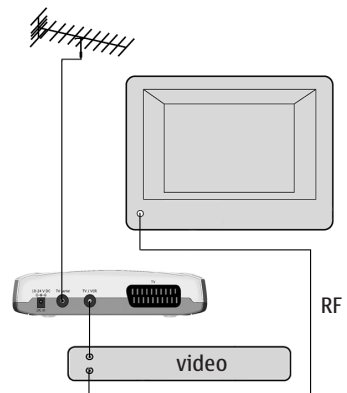
Note: In this set up your VCR has to be on or in standby to watch digital TV. To record a digital channel you will need to select the AV (SCART) channel on your video.

It is always advisable to consult your video and TV instruction books.



Connecting a video recorder without SCART

- Remove the aerial lead from your TV and connect this to the TV AERIAL input socket on the Mediamaster.
- Connect an RF cable from the TV/VCR output on the Mediamaster to the RF input socket on the video.
- Connect an RF cable from the TV/VCR output on the video to the RF input socket on the TV.
- Switch on your TV and plug in and switch on your Mediamaster.
- Pick a spare channel on your VCR and tune this into the Mediamaster. Store this channel.
- Select this channel on your video when you want to record a digital channel.



First time installation

General information

Once you have correctly connected the Mediamaster, you also have to perform a “First time installation.”

During this procedure, helpful information is displayed at the bottom of the menus.

The **ok** button always **confirms** a selection within these menus, and pressing it will take you to the next step in the installation process. However, and this is important, often more than one value has to be changed in a menu. First, perform all necessary changes then, confirm them all by pressing **ok**.

- You can always go back to the previous menu by pressing back.
- Use the ▼ ▲ up/down buttons to move upwards and downwards from one line to another.
- Use the ◀ ▶ left/right buttons to change settings.
- You can also use the numeric buttons on the remote control to enter numeric values.

Switching on the first time and start

- Plug in your Mediamaster and the “First-time installation” menu is shown.
- Press **ok** to continue with the channel search.



The menu will be shown as long as the Mediamaster is searching for TV and radio channels.

All channels found will be listed on the screen.

Please note that the search procedure may take a few minutes. You can cancel the search at any time by pressing **ok**.



When the search procedure has ended, a message will tell how many TV and radio channels have been found.

- Press **ok** to continue watching digital TV channels.
- Turn off the horizontal/vertical rows (named the Navi Bars) of folders you see superimposed on the TV picture by pressing the **menu** or **back** button on the remote control. (More about the Navi Bars will be described later in this user guide.)



Watching TV & listening to Radio

General Information

You can watch digital TV and listen to digital radio with this Mediamaster.

- If no TV channel is automatically shown after you have finished the installation procedure, press the **P+** or **P-** button to select a channel.
- If that does not work open the Navi Bars with the **menu** button.
- Scroll to the TV channels folder and select a channel.
(See more about Navi Bars on page 13.)

You can always leave a menu at any time you want, without affecting any settings, by pressing the **back** button.

Programme information

The Mediamaster can display information about TV and radio programmes that are currently being broadcast as well as those that will be broadcast next.

Some of the advanced functions described here can only be used if they are included in the transmitted programme information by the broadcasters.

When you change channels with the **P+/P-** button programme information banner is displayed for a few seconds. You can also press **info** button while watching TV to display the banner.

The programme information may include

- the current time
- a channel list
- the channel name and number
- the names of the current and next programmes
- the start and stop times of the current programme
- a bar indicating the elapsed time of the current programme
- the start and stop times for the next programme

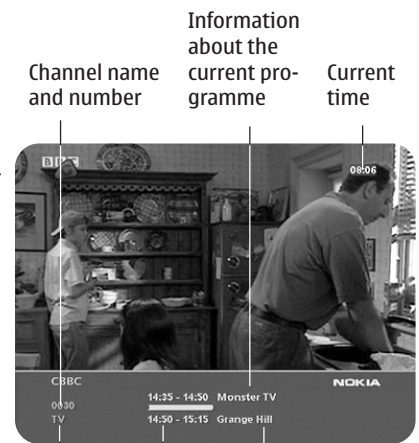
By pressing **info** again you'll display extended information banner. Use the **cursor left/right** button to switch between the current and next programme information.

If the text continues use the **cursor up/down** button to continue reading the next page.

Press **info** or **back** to return to watching TV/listening to radio.

If you are listening to a radio station and do not press any buttons on the remote control, the picture background fades into gray after a while.

If the broadcaster is not transmitting the programme information a message "No information available" is shown.



Elapsed time of current programme

Information about the next programme

Name of channel list

Extended programme information



Watching TV & listening to Radio

Temporary settings

By pressing **opt** you open a menu in which it is possible to enter temporary settings. Settings made in this “options menu” are only valid for the programme you are currently watching. If you leave the programme and return to it again, the temporary settings will be lost.

Audio language

When available, you can select among the different languages being broadcast.

Subtitle language

When available, you can select among different subtitle languages.

Picture format

If you do not have a Widescreen TV and the transmission is in widescreen, you can select Fullscreen, Letterbox or Combined to change the display format. Fullscreen will fill up the screen vertically but, cut some information from the left and right sides of the picture.

Letterbox and Combined will give a complete picture, but leave black areas at the top and bottom.

- Press **opt** or **back** to return to TV/radio mode.



External equipment

With the **0** button you can toggle between externally connected equipment, e. g. a Video recorder (the video must be switched on.) This function may not be available on all TV and video models.

(This is only valid when the units are connected via SCART cables, and not by RF connection.)

Enhanced TV / Digital Text

On a Digital Text service pressing **txt** will open an application.

Broadcasters may also use on screen promptings to enter into interactive applications.

Once in the interactive application follow the on screen instructions and menus to navigate and exit.

Use **P + / P -** on the remote control to exit this service.

Navi Bars

Navigating with Navi Bars

Navi Bars is used for selecting TV/Radio channels and changing settings.

- 1 Display Navi Bars by pressing the **menu** button and hide Navi bars by pressing the **menu** or **back** button .
- 2 When Navi Bars are displayed you can move around with the **▼ ▲ ◀ ▶** arrow keys.

The horizontal row contains **folders**, e.g. TV, Settings and Radio. Each folder contains one or more **bookmarks**.

- You move a folder by pressing **◀ ▶** arrow keys.
- When a folder is in focus the bookmarks will be shown.
- You select a bookmark by pressing **▼ ▲** arrow keys.
- To confirm the selection or to open a bookmark press the **ok** button.

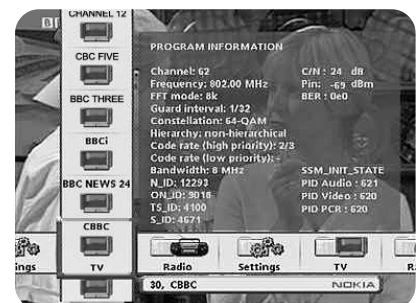
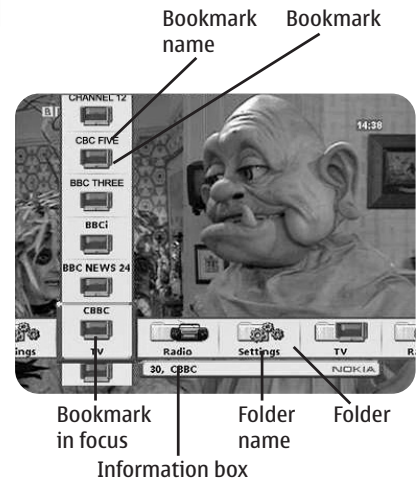
Below the horizontal folder bar there is an information box for the bookmark currently in focus.

When scrolling TV or radio channels the programmes can be marked with the following symbols :

- * = a new channel you have not previously visited.
- ⊗ = the channel is locked by the user.
- ⊙ = indicates encrypted services.

Info button displays extended information (if available) for a programme or a function in focus.

opt button displays detailed channel information about the TV or radio programme bookmark that is in focus.



If you open the Navi Bars and do not press any buttons on the remote control, the Navi Bars will automatically close after half a minute.

Navi Bars

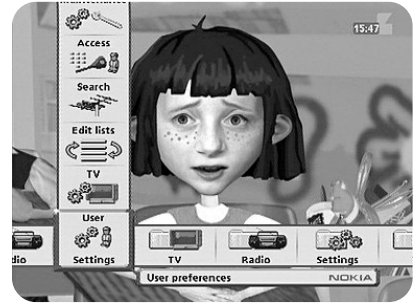
The Settings folder

Each of the bookmarks in the Settings folder contains **menus** from where you can change the settings of the Mediamaster.

To open some of the menus you will be asked to enter your access code.

From the factory the access code is set to 1234.

The settings folders can not be deleted.



The User preferences folder

Banner time-out

When you switch channels, an information banner will be shown for a few seconds. You can select how long the banner will be shown.

Volume bar time-out

Select how long the volume bar will be visible on the screen.

Main subtitle language

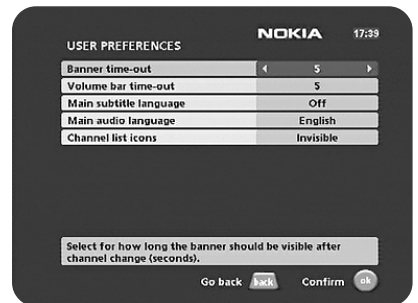
If you select the “Visible” alternative for subtitling and more than one language is available, you may select a main language.

Main audio language

If more than one audio language is transmitted, you may select the main language.

Channel list icons

In order to make the bookmark lists for TV and Radio channels shorter you can hide the icons and only show the channel names.



Visible icons



Invisible icons

TV folder

Time adjustment

The time is adjusted by using the ◀ ▶ buttons, ±1/2 an hour at a time.

TV screen format

Select your TV screen format.

The 4:3 format is the standard format for most TV screens.

Select 16:9 for widescreen TV.

Press **opt** to get a TV programme in the background and you can instantly watch the result of your choice.

Picture format

If you do not have a Widescreen TV and the transmission is in widescreen, you can select Fullscreen, Letterbox or Combined to change the display format. Fullscreen will fill up the screen vertically but, cut some information from the left and right sides of the picture.

Letterbox and Combined will give a complete picture, but leave black areas at the top and bottom.

- Press **opt** or **back** to return to TV/radio mode.

Position of the RGB output

Adjust the horizontal position of the TV picture with the ◀ ▶ buttons.

TV output

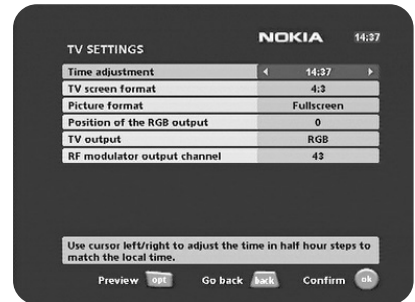
If you have connected your Mediamaster to your TV with a SCART lead, the best option for picture quality is “RGB”, however if your TV does not support “RGB” you may see an improved picture if you change this option to “Composite”.

If you do not see any improvement in the picture quality, please ensure the setting remains on “RGB”.

RF modulator output channel

Select this alternative if you have to change the RF channel. (Channel 43 is preset from factory.)

When you change the RF channel number, you must also change to the same value on the TV. If you do not, there will be no picture and sound.



Fullscreen



Letterbox
Combined

Navi Bars

Edit lists folder

The TV folder may contain lots of channels. By creating your own lists you can make channel handling more convenient.

From these menus you can create and edit favourite channel lists.

Select list

If you have several lists and want to make changes in them, select which list by using the ◀ ▶ buttons.

Create list for

From here you create your own lists, containing the channels you most frequently watch. Give each list a specific name, e.g. “News” or “Kids”. The new lists you create will appear as a new **folder** in the horizontal part of the Navi Bars.

When a list is selected, you see only those channels defined in the list.

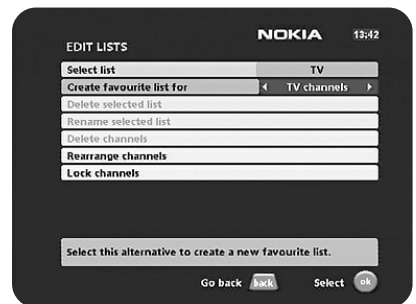
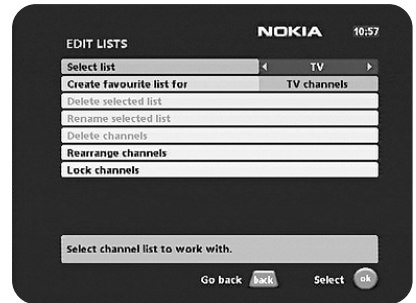
You can create separate lists for TV and radio channels.

Enter the name of a list

- Press the number button corresponding to the character you want: once for the first character, twice for the second and so on.
- Before entering the next character, wait for the short automatic delay before the cursor moves to the next character position.
- The available characters are listed below.

- | | | | |
|---|------------|---|-----------|
| 1 | .,-?!1 | 6 | mno6öõñóò |
| 2 | abc2ÀÁÄÅÄÄ | 7 | pqr57\$ |
| 3 | def3ÉÊËËË | 8 | tuv8ÜÙÚ |
| 4 | ghi4ÎÏÏÏ | 9 | wxyz9 |
| 5 | jk15 | 0 | space 0 |

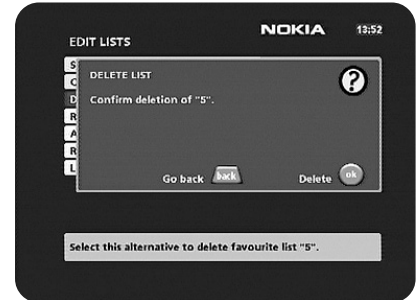
- Toggle between capital and lower-case letters with **opt**.
- To insert a space, press the numerical button **0**.
- If you make a mistake, you can remove characters by pressing **txt** as many times as needed.
- When you have given the list a name; press **ok**.
- Go to line “Add/Delete Channels” to add channels to the list.



Navi Bars

Delete selected list

If you want to delete a list completely, first select the list with the ◀ ▶ buttons on the line “Select list”. Then step down to “Delete selected list” and delete it.



Rename selected list

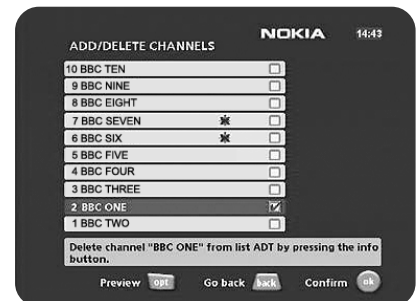
Give the list a new name. Refer to “Create list” on the previous page.

Add/Delete channels

From this menu you add and remove the channels in your lists.

A channel is added or removed from the list by pressing **info**. The square to the right on a line will be empty for removed channels, and will contain an “✓” for added channels. Beside the channel name three different symbols can be shown. (* = a new channel you have not previously visited. ⊗ = the channel is locked by the user and ⊙ = indicates encrypted services.)

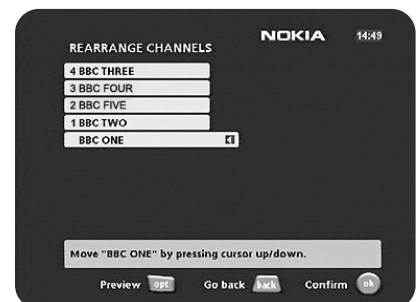
- Move to the desired channel(s) with the ▼ ▲ buttons.
- Press **opt** if you want to preview the channel.
- Add/remove by pressing **info**.
- When you are ready, confirm the selections and leave the menu by pressing **ok**.



Rearrange channels

From here you can arrange the sequence for the channels within your lists.

- With the ▶ button, mark the channel you want to move to a new position.
- Move the channel to the desired position with the ▼ ▲ buttons, then press the ◀ button.
- Press **ok** to confirm the new position.



Navi Bars

Lock channels

To get to this menu you first have to enter your access code.

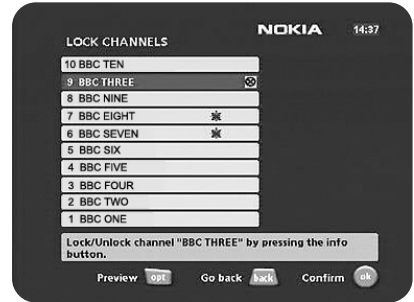
From the factory the access code is set to 1234.

From here you can lock (and later unlock) channels in order to prevent e.g. your children from watching.

- Select the channel you want to lock and press **info**. Repeat the procedure for each channel you want to lock.
- Press **opt** if you want to preview the channel.
- Press **ok** to confirm.

A locked channel will be marked with a “⊗” symbol.

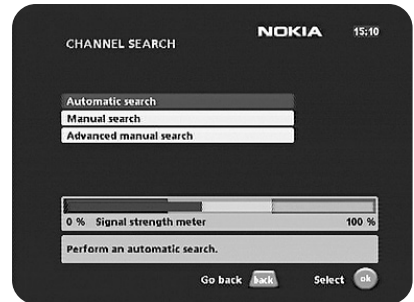
You must enter your access code before you can watch a locked channel.



Search folder

When you want to search for channels at a later time.

A channel search procedure can be performed in different ways: Automatic, Manual or Advanced manual search.



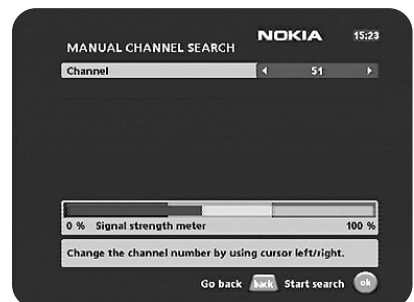
Automatic search

- Highlight the line and press **ok** to start searching for channels.

Manual search

Channel: Select the channel you want to search for.

- Press **ok** to start searching for channels.



Navi Bars

Advanced manual search

You can use this menu if you are looking for some “specific” channels (i.e. non-DVB standard channels) which can be more easy to find when you have entered the necessary PID settings here.

Channel: Select the channel you want to search for.

PID Video: Enter the PID (Packet Identifier) for the video signal.

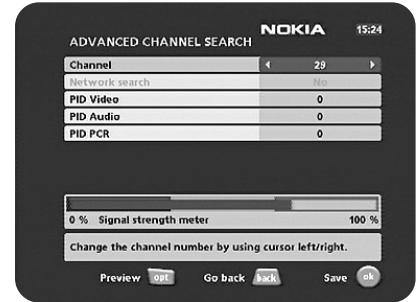
PID Audio: Enter the PID for the audio signal.

PID PCR: Enter the PID for the PCR (Programme Clock Reference).

- Press **ok** to tune with the specified values.

Channels created with advanced manual search will get an automatically generated name, e.g. P0001 for the first channel, P0002 for the second etc.

- Press **ok** to save the new channel or **back** if you do not want to save it.



Access folder

Receiver lock

To get to this menu you first have to enter your access code.

From the factory the access code is set to 1234.

If you select “Yes” you will have to enter the access code every time you start the Mediamaster from standby.

Age rating control

If you want everybody to have access to all available types of programmes, select “No”

If you select “Yes” you may block programmes unsuitable for children.

Age Limit

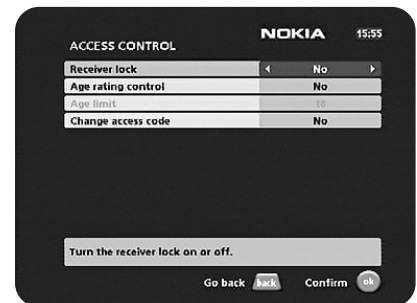
Select an age limit between 3 and 18 years on the line that appears.

However, you should be aware that not all Service Providers have the necessary codes for these functions implemented in their transmissions.

Change access code

From here you can change the access code from the standard 1234. DO NOT FORGET IT! Without it you do not have access to any of the functions where the code is required!

If you forget it, please contact Nokia Support for help.



Maintenance folder

System Information

When you enter the Maintenance folder you find general information about which hardware and software version your Mediamaster is running on.

Reinstall

Use this option **only** if you have to start the complete installation procedure from scratch. If you continue from here, **all** your previous settings, access code and favourite channels etc. will be erased!

If you do not want to perform a reinstallation you can leave this menu when the warning is displayed by pressing “back”.

SW update

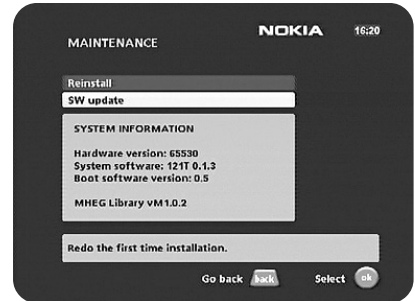
Your Mediamaster will advise you from time to time of any new software upgrades using information sent by TV broadcasters through your aerial.

This will appear as a message on your tv screen asking you to press **ok** to start the download. You are strongly advised to accept the download as this might enable you to receive the new features and or services that may be available to you . You can choose to postpone the download for a more convenient time by pressing the back button. The message will appear again provided that the software is still broadcast.

Note : These messages will only appear if your Mediamaster has been switched on from Standby.

It is advisable to put you Mediamaster into standby when not in use. After downloading of a new software version, **all** your previous settings, access code and favourite channels etc. will be erased! **IMPORTANT!** The updating may take a while.

NEVER turn off the Mediamaster, never use the remote control or disconnect the antenna cable during the download procedure! This will damage the software and the receiver **will have to be sent in for service!**



Technical specifications

Transmission Standards DVB, MPEG 2, OFDM

RF input Modulator output

In-/output connector	IEC female / IEC male
RF input frequency	470-862 MHz
RF input power level	-78 to -30 dBm
RF impedance	75 Ω
Frequency range	Loop through 47-862 MHz
Frequency range	RF modulator 471,25-855,25 MHz
Output channel	CH 21-69
Preset channel	43
Output signal	PAL I
Demodulation	Supports 2k and 8k

TV SCART

Video output	1 V _{pp} (± 1 dB) / 75 Ω
Audio output	0.5 V _{rms} / R _L >10 k Ω
RGB output	Internal RGB
RGB bandwidth	5.8 MHz ± 3 dB
Fast blanking output	Internal
Status output	0/6/12 V / R _L >10 k Ω

Front panel

One LED indicator.

External power supply

Input	220-240 V, 50-60 Hz
Power consumption	max 11 W
Power consumption in standby	max 2 W

General data

The model code, variant and serial number, are located on a label on the underside of the housing.

DC power in to the Mediamaster	10 - 18V
Operating temperature	+5° C to +45° C
Storage temperature	- 40° C to +65° C
Humidity	25 to 75 % rel humidity
Operating distance for remote control	About 10 meters
Dimensions (w x d x h)	167 x 165 x 40 mm

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Nokia Home Communications

Itämerenkatu 11-13

00180 Helsinki

FINLAND

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