DVB-T USB 2.0 Receiver
Package contents:
1x DVB-T USB stick
1x CD-ROM with driver and software
1x Passive DVB-T antenna
1x Remote control
1x Set of printed installation instructions

System requirement:
Processor: 1.5 GHz Intel or AMD processor
RAM: 512 MB (1024 MB recommended)
Drive: CD or DVD drive for software installation
Interface: One spare USB 2.0/3.0 port
Hard drive capacity: 150 MB free hard disk space for software and driver installation
Operating system: Windows 8/7/Vista and XP with the most current service pack

Other requirements:
In order to receive DVB-T signals, you must ensure that your region has sufficient DVB-T coverage. The enclosed passive DVB-T antenna might not be sufficient to provide perfect reception in peripheral regions. In such cases, we recommend that you use either a roof antenna, if available, or an active DVB-T antenna with an integrated amplifier.

Installation on Windows Vista/7 and 8:
Preparation:
1. Install the driver before connecting the DVB-T receiver to your computer/laptop.
2. Be sure that the latest service pack from Microsoft for your operating system is installed.

Insert the enclosed driver CD into your CD-ROM drive. If the Hama installation menu does not appear automatically, open the CD-ROM drive with the driver CD and double-click the Autrun.exe file. When the installation menu appears on your screen, select your language.

To install the driver, select “Install Driver”. This will start the installation program. In some circumstances, you may be asked by User Account Control whether you want to continue. Click the -> Allow or the -> Yes (Windows 7) button. Now follow the driver installation program instructions. We recommend that you restart the operating system after completing installation. Do not connect the DVB-T receiver until you have done so. After the restart, the receiver will be detected and installed by Windows after a short time.

For Windows Vista and 7:
You can check whether the DVB-T receiver was installed properly under Start (Windows logo) -> Control Panel -> System and Maintenance or System and Security -> Device Manager.

For Windows 8:
You can check if the DVB-T receiver was installed properly by pressing and holding the Windows key and press the X key. Now a new menu appears in the right bottom side of the screen. Choose the entry Device Manager. Under some circumstances, User Access Control may ask you to approve this action. Simply click on the -> Continue or -> Yes button. The following entry must appear without a yellow exclamation mark.

Sound, video and game controllers
• DK DVBT DONGLE

Human Interface Devices
• HID Infrared Remote Receiver

Installation on Windows XP:
Preparation:
1. Install the driver before connecting the DVB-T receiver to your computer/laptop.
2. Ensure that your user account has administrator privileges; otherwise the installation will not be successful.
3. Be sure that the latest service pack from Microsoft for your operating system is installed.

Insert the enclosed driver CD into your CD-ROM drive. If the Hama installation menu does not appear automatically, open the CD-ROM drive with the driver CD and double-click the Autorun.exe file.

When the installation menu appears on your screen, select your language. To install the driver, select “Install Driver”. Now follow the driver installation program instructions. We recommend that you restart the operating system after completing installation. Do not connect the DVB-T receiver until you have done so. After the restart, the receiver will be detected and installed by Windows after a short time.

You can check whether the DVB-T receiver was installed properly under Start -> Control Panel -> Performance and Maintenance -> System -> Hardware -> Device Manager. The following entry must appear without a yellow exclamation mark.

Sound, video and game controllers
• DK DVBT DONGLE

Human Interface Devices
• HID Infrared Remote Receiver
Installing the ArcSoft Total Media software with Windows:

1. Start your computer and log on to Windows as an administrator or as a user with the appropriate rights.

2. Insert the enclosed driver CD into your CD-ROM drive if you have not already done so. If the installation program does not start automatically, open the Autrun.exe file on the CD-ROM.

3. Select the desired language.

4. Install the ArcSoft Total Media software by clicking the Install software button. Now follow the installation program instructions.

Note for Windows Vista users:
In some cases, you may be asked by the "User Account Control" to confirm this action. To enable the software installation, click the Continue button.

Note:
The licence key (serial number) for the ArcSoft Total Media software is printed on the CD case. Keep the CD case in a safe place, as you must enter the licence key (serial number) every time you reinstall the software.

Hama GmbH & Co KG cannot provide you with a replacement licence key, so make sure to keep this authorisation code in a safe place.

5. Connect the Hama DVB-T USB stick to the passive DVB-T antenna included or to another DVB-T compatible antenna of your choice, in case this has not yet been done.

6. Start the software by double-clicking the icon labelled TotalMedia 3.5 on your desktop.

Description of the TV user interface in ArcSoft Total Media 3.5

Before searching for programmes, make sure that the DVB-T antenna is connected to the Hama DVB-T receiver and that the receiver is plugged into the computer.

ArcSoft Total Media is a software package containing several different components, e.g. TV software, DVD playback software and a program for picture, music and video management.

Before you can use Total Media for TV reception, you must set up the software.
Setting up the software to receive TV programmes:

- Select the -> TV option.

- Click -> Next.

- Make sure that the selected region corresponds to your current location. In our case, this is Germany.
  - If you are currently in another country, select it from the menu.
  - Then click on -> Next.

- Select the REALTEK DTV Filter_DVB-T video device in the next step. Then click -> Next.

- The click -> Start to begin the channel search.

- After the entire area has been searched, click -> OK and then Next to continue.
• Now the station search is complete. Click now on -> Exit.

Explanation of the TV module:
You will find out more about the functions which are available for the reception of TV programmes later in this manual.

1. Full screen mode:
Maximises the TV picture on your screen.

2. EPG (electronic programme guide):
Shows you the programme guide for the next few days for all channels found.

3. Channel list
Lists all channels found by the TV software.
In the channel list, you can add your favourite channels to a favourites list. You can also switch between three different views.
• All: Displays all TV channels and radio stations including favourites.
• Radio: Displays all radio stations found.

Note: The software can only receive radio stations that are broadcast using the DVB-T format. These stations must also be unencrypted. In Germany, at the time at which this manual was written, this was only possible in Berlin.
• TV: Lists all TV channels found.

• Favourites: Lists all of the channels that you have added to your favourites list. Using this function, you can also call up this programme directly over the TV user interface (see point 20).

4. TV recordings:
Lists all of the TV recordings that you have made. You can also remove commercials, for example, from your recordings and burn them onto a CD or DVD.

5. Timer overview:
Click the -> Timer overview button to view a list of all planned recordings. By clicking on -> Add, you can to add a timer entry. You can also program planned recordings using the EPG.

6. Teletext:
This starts the teletext of the current channel. Individual pages can be viewed by entering the page number. Using the coloured buttons under the teletext, you can jump between different parts of the text.

Examples:
By clicking the red button, you can jump to the previous page of the teletext and by clicking the green button, you can jump to the next page of the teletext. The yellow and blue buttons are set by the individual channels.
Please note that depending on the channel, the teletext may be limited or unavailable.

7. Settings:
Here you can make different settings, such as renaming channels and switching the position of the channels, among other things.

8. Playback function:
When you click this icon, playback starts for the TV programme. If you have stopped playback, click this icon to resume.

9. Stop function:
Stops the current TV programme.

10. Record function:
The current TV channel is recorded manually. To stop recording, press the stop function (09).

11. Rewind function:
While watching a recorded video, you can use this function to rewind the video in order to repeat a scene.

12. Fast-forward function:
While watching a recorded video, you can use this function to fast-forward the video in order to skip over a scene or advertisement.
13. Skip back/start chapter function:
While watching a recorded video, you can use this function skip back to the start or to the start of the chapter.

14. Skip forward/end chapter function:
While watching a recorded video, you can use this function skip forward to the end or to the end of the chapter.

15. Volume control:
This mutes the sound.

16. Reduce volume – control:
Turns the volume down.

17. Increase volume – control:
Turns the volume up.

18. Previous channel function:
Switches to the previous channel on the list.

19. Next channel function:
Switches to the next channel on the list.

20. Favourites function:
Opens the favourites list.

21. Aspect ratio of the picture:
Changes the aspect ratio to match the current programme.

22. Switch audio track function:
If the programme has multiple audio tracks, you can use this function to switch between the individual tracks.

23. Create a screenshot:
Makes a screenshot from the current programme.

Setting up the software to receive radio programmes
We will later briefly explain the functions that are available for the reception of radio stations by FM or DAB or DAB+.

• Next you have to decide which type of reception should be used by the station search. FM is conventional analog radio. DAB stands for the new digital radio format.

  Note: DAB here also means DAB+. The Hama DVB-T Stick also receives the newest version for digital radio reception.

  • Select either the -> FM or the DAB option.

• First you have to start a channel search. To do this, click the -> Scan channels button.

• As soon as the entire range has been searched, click on -> OK so that the search will be ended and the programmes that have been found will be listed in the lower area.

  * Select the -> Radio option.
Explanation of the radio module:
You will find out more about the functions which are available for the reception of radio programmes later in this manual.

1. Scan channels:
A new station search will be started.

2. Recorded radio program:
Shows you the radio recordings that have been made so far.

3. Settings:
Here you can set the frequency steps which are relevant for the station search between 0.10 or 0.20. The storage location can also be set for the recording.

4. Radio mute switch:
By pressing this button, the currently received radio station will be muted or reactivated.

5. Recording switch:
The current TV channel is recorded manually. To stop recording, press the recording button again.

6. Volume control:
With this you can vary the volume to suit your tastes.

7. Channel switch
Depending on which toggle switch (< or >) is pushed, a channel higher or lower will be selected.

8. Fine adjustment:
This function is only active in FM mode. With this you can regulate possible interference in your station in 0.1 hertz.

9. Find the next station automatically:
This function is only active in FM mode. By pushing the toggle switch < or >, you can leave the programme and automatically find the next station.

10. Add option:
Adds the current station to your list of stations. This can be called up later using one of the number buttons (see function 11).

11. Station presets (0 – 9):
The software program provides up to 10 station presets where you can directly call up your favourite stations.
Note that it is not possible to have a mixed station list for DAB and FM.

You can find further operating instructions in the online help for this software program. To call this up, press the F1 key while the ArcSoft software is running.

Note: Please note that we can provide no support for the ArcSoft software. Contact the ArcSoft support at http://www.arcsoft.com if you have problems that are caused by the Total Media software.

Safety notes:
• Keep the device away from liquids, e.g. water.
• Do not use the device in damp environments.
• There are no serviceable components in the device. Only authorised qualified staff may carry out repairs on it.

Product information:
Please contact your dealer or Hama Product Consulting if you have any problems with the TV receiver (hardware and driver) or if it is defective.

Internet/World Wide Web:
Product support, new drivers and information are available at www.hama.de.

Support Hotline – Hama Product Consulting:
German/English
Phone: +49 (0) 9091/502-115
Fax: +49 (0) 9091 / 502-272
E-mail: produktberatung@hama.de

Note on environmental protection:
After the implementation of the European Directive 2002/96/EC and 2006/66/EC in the national legal system, the following applies: Electric and electronic devices as well as batteries must not be disposed of with household waste. Consumers are obliged by law to return electrical and electronic devices as well as batteries at the end of their service lives to the public collecting points set up for this purpose or point of sale. Details to this are defined by the national law of the respective country. This symbol on the product, the instruction manual or the package indicates that a product is subject to these regulations. By recycling, reusing the materials or other forms of utilising old devices/Batteries, you are making an important contribution to protecting our environment.