

TOPFIELD

CBV-7100

User Guide

High Definition

Digital Cable Receiver

VIACCESS Embedded



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Chapter 1

Introduction

The CBV-7100 digital receiver is fully compliant with the international Digital Video Broadcasting (DVB) standard, and thus is able to receive digital broadcasts of that standard.

NOTE

In general we equate a channel with a frequency. However, unlike analogue broadcasts, digital broadcasts are not all assigned to their own frequencies; instead, multiple television broadcasts are transmitted through a single frequency. The frequency in digital broadcasting is usually called transponder. To reduce confusion in this manual, the word **service** is preferably used than **channel** as a term to indicate one television or radio broadcast.

1.1 Features

This digital receiver has the following features:

- Can store up to 2000 television and radio services.
- You can edit the services list.
- Can create favourite lists of your favourite services.

- Can view information about the current television or radio programme.
- Has an electronic programme guide that provides an overview of scheduled programmes.

1.2 Controlling the digital receiver

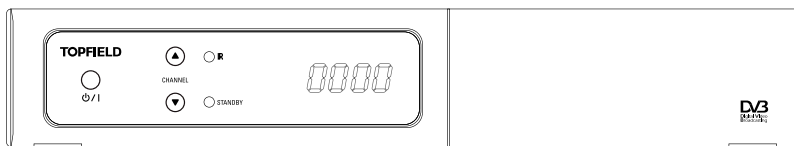
You can operate the digital receiver with the remote control or the buttons on the front panel.

NOTE

When the digital receiver is off but plugged into a wall socket, we say that it is in standby mode; on the other hand, when it is on, it is in operation mode. Even when you are not using the digital receiver, you should keep it plugged into a wall socket to be in standby mode so that it can run timer events at any time.

1.2.1 Front panel

The front panel of the digital receiver has buttons to control the digital receiver, specific lamps and a display to indicate its status. The following indicates what they mean.



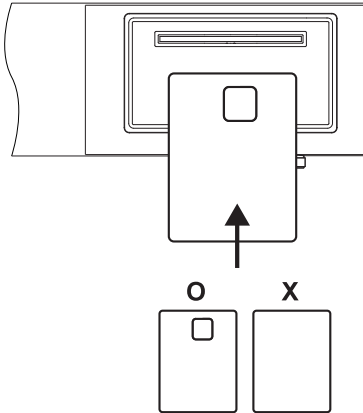
⏻ / | button switches the digital receiver between standby mode and operation mode.

CHANNEL ▼, ▲ buttons switch to the previous or next service. They are also used to navigate in menus and interactive screens.

P lamp blinks every time you press a button on the remote control.

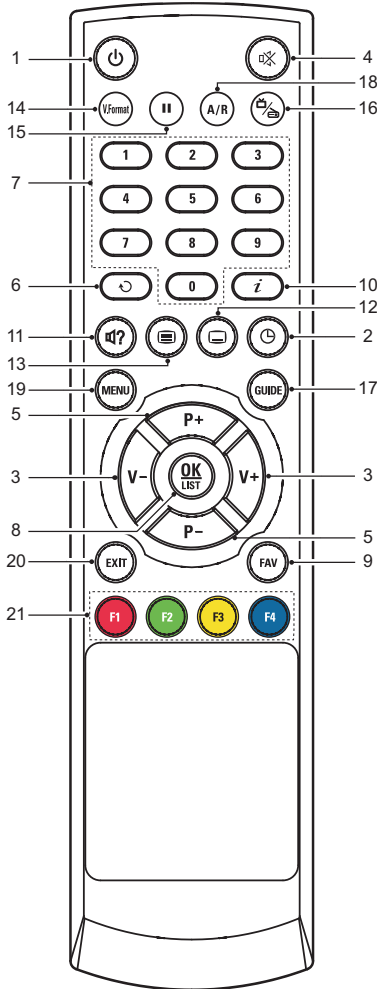
STANDBY lamp lights up while the digital receiver is in standby mode.

Front display shows the current time in standby mode, and displays the current service in operation mode.



You have to insert your subscription card into the front slot to watch pay services. When you insert a subscription card, the side on which the chip is mounted must face upward.

1.2.2 Remote control



1 button switches the digital receiver between standby mode and operation mode.

2 is used to set a sleep timer in 10 minute increments.

3 , buttons decrease or increase the volume. They are also used to change values for menu options.

4 mutes the sound. Press again to switch it back on.

5 , buttons switch to the previous or next service. They are also used to navigate in menus and interactive screens.

6 switches over between the current service and the previously viewed one.










7 Numeric buttons are used to enter a service number for service change or to specify values for menu options.

8 displays the services list. See §5.2.1 for more details. It is also used to select a menu item.

9 displays the favourite lists.

10 displays the service information box. It is also used to display more information about a programme.

11 is used to select an audio track and a sound mode.

- 12**  is used to select a subtitle track.
- 13**  displays teletext.
- 14**  changes video resolution. See §4.2.1 for more details.
- 15**  pauses live television.
- 16**  switches over between television services and radio services.
- 17**  displays the electronic programme guide.
- 18**  changes aspect ratio. See §4.2.2 for more details.
- 19**  displays the main menu. It is also used to return to the previous menu from a submenu.
- 20**  is used to exit a menu or to hide on-screen information.
- 21** These buttons have different functions per menu. They will be guided by on-screen help.

NOTE

When using the remote control, point it at the remote sensor on the front panel of the digital receiver.

1.3 Subscription card information

With this digital receiver, you can view pay services scrambled with the *VIACCESS* conditional access system. Probably you have a subscription card. If you would like to view information in detail about your subscription card, select the **Conditional Access** menu. There you can also check the messages from the broadcasting operator.

Chapter 2

Setup

2.1 Unpacking

Before going any further, check that you have received the following items with the digital receiver.

- Remote control unit
- Two batteries for the remote control (AAA 1.5 V)
- A copy of this user guide

NOTE

Accessories may vary according to your local area.

2.2 Safety precautions

Please read carefully the following safety precautions.

- The mains voltage must range between 90 and 250 volts. Check it before plugging the digital receiver to the wall socket. For the power consumption of the digital receiver, refer to Table 2.1.
- The wall socket should be near the equipment. Do not run an extension lead to the unit.

- Where the mains plug is used as the disconnect device, such disconnect device shall remain readily operable.
- The digital receiver shall not be exposed to dripping or splashing water, and no objects filled with liquids, such as vases, shall be placed on it.
- Do not expose the digital receiver to any moisture. The digital receiver is designed for indoor use only. Use dry cloth to clean the digital receiver.
- Place the digital receiver on a firm and level surface.
- Do not place the digital receiver close to heat emitting units or in direct sunlight, as this will impair cooling. Do not lay any objects such as magazines on the digital receiver. When placed in a cabinet, make sure there is a minimum space of 10 centimetres around it. For the physical specification of the digital receiver, refer to Table 2.2.
- Protect the power cord from being walked on or pinched. If the cord is damaged, do not use the digital receiver and get the cord replaced.
- Never open the digital receiver casing under any circumstances, or the warranty will be void.
- Refer all servicing to a qualified service technician.

Table 2.1: Power specification

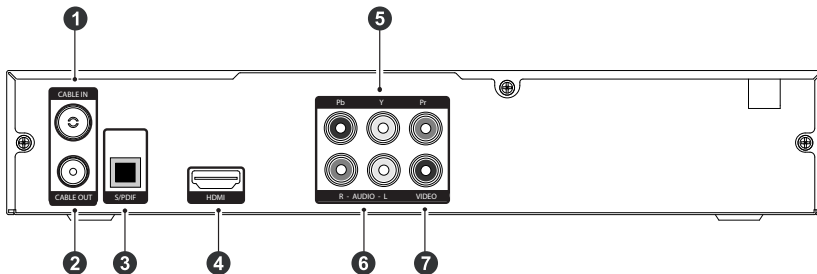
Input voltage	90 to 250 V AC, 50/60 Hz
Power consumption	13 W at maximum in operation 1.5 W in standby

Table 2.2: Physical specifications

Size	260 × 46 × 190 mm
Weight	1.2 kg
Operating temperature	0 to 45 °C
Storage relative humidity	5 to 90 %

2.3 Rear panel connections

The CBV-7100 has the following connections on the back:



Check what connections your television set has in comparison with the digital receiver.

- 1** CABLE IN Cable broadcasting signal input socket
- 2** CABLE OUT Cable broadcasting signal output socket through the CABLE IN socket for another digital receiver
- 3** S/PDIF Digital audio output socket for the audio-video receiver
- 4** HDMI Audio and video output socket for the high definition television set
- 5** Y/Pb/Pr Component video output socket for the television set (green/blue/red)
- 6** AUDIO L/R Stereo audio output socket for the television set or the audio-video receiver (white/red)
- 7** VIDEO Composite video output socket for the television set (yellow)

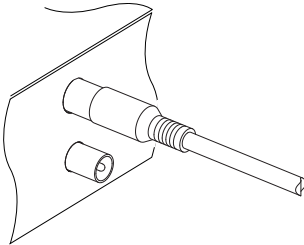
Table 2.3: Connectors specifications

HDMI	High definition video output Left & right audio output Digital audio output
YPbPr	Component video output
VIDEO	Composite video (CVBS) output
AUDIO	Left & right audio output
S/PDIF	Digital audio output

2.4 Connecting up your digital receiver

There are several ways to set up the digital receiver. Set up the digital receiver suitably to your television and other devices. If you have any problem with your setup or need help, contact your dealer.

2.4.1 Connecting to the broadcasting cable



Whatever sort of connection you have between the digital receiver and the television, you need to connect the digital receiver to the broadcasting cable so that it can receive digital television broadcasts. Connect the broadcasting cable to the **CABLE IN** connector. If you have another digital receiver, you may link it from the **CABLE OUT** connector.

2.4.2 Connecting to your television set

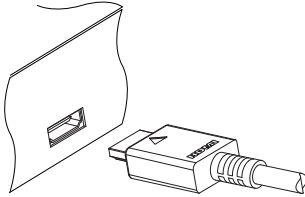
For all the following connections of the digital receiver, we recommend you to use the first connector to get the best picture quality. If your television does not have a matching connector, then use the next connector in the following order for a better picture quality.

1. HDMI connector (HDMI)
2. Component connector (YPbPr)

3. Composite connector (VIDEO)

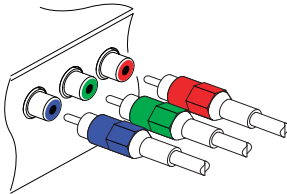
You should configure audio and video settings after connecting up the digital receiver. See §4.2 for a detailed description.

To use the HDMI output



If you have a high definition television set, you should use an HDMI cable for best results. Plug one end of the cable into the HDMI socket on the digital receiver, and plug the other end into the matching socket on your television. In this case, you do not have to make audio connection because it can output stereo audio or digital audio as well.

To use the Component video output

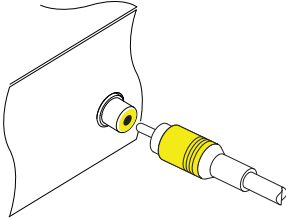


You need to obtain a Component video cable (RCA cable) to use the Component video output. Plug one ends of the cable into the Y (green), Pb (blue) and Pr (red) sockets on the digital receiver, and plug the other ends into the matching sockets on your television.

NOTE

When connecting with the Component video cable, remember to also plug in the additional white and red audio cables from the digital receiver to the back of your television.

To use the Composite video output

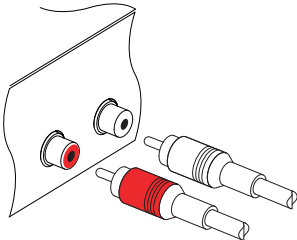


You need to obtain a Composite video cable (RCA cable) to use the Composite video output. Plug one end of the cable into the VIDEO (yellow) socket on the digital receiver, and plug the other end into the matching socket on your television.

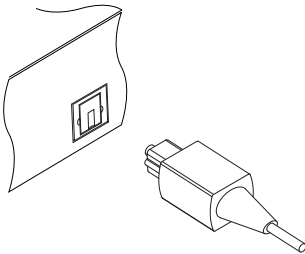
NOTE

You cannot view high definition video by means of the Composite video output.

To make the audio connection



You need to obtain an audio cable (RCA cable) to link the audio connectors. Plug one ends of the cable into the AUDIO L (white) and AUDIO R (red) sockets on the digital receiver, and plug the other ends into the matching sockets on your television or audio-video receiver.




To enjoy Dolby Digital audio, your television or audio-video receiver must be able to decode Dolby Digital audio, and you need to obtain an S/PDIF cable. Plug one end of the cable into the S/PDIF socket on the digital receiver, and plug the other end into the matching socket on your audio-video receiver.


2.5 Switching on for the first time

Now that you have your digital receiver connected, you should plug it into a wall socket. Ensure that your television set is

turned on and on the correct video channel so that you will be able to see the display from the digital receiver.

Before switching on the digital receiver, you should insert batteries into the remote control. Open the battery compartment by removing the lid, and then insert the batteries observing the polarity, which is marked on the base of the battery compartment.

Press the  button on the top left corner on the remote control. In a little time, you may see a picture displaying a menu.

If you do not see a picture, try pressing the  button on the remote control. If after several tries you still get no picture, check that the television is set to the correct input. If the picture is good, you can skip to §3.1 to search for available television and radio services. Otherwise, you may need to temporarily connect the Composite video connector (VIDEO) to your television set so that you can see the menu in order to configure the video settings.

CAUTION

If the digital receiver no longer reacts properly to the remote control commands, the batteries may be flat. Be sure to replace only with 1.5V AAA size batteries, and observe the following precautions.

- Do not mix different types of batteries, or new and old batteries.
- Do not use rechargeable batteries.
- Do not recharge the old batteries.
- In order to avoid any risk of explosion, observe the polarities indicated inside the battery compartment.
- Do not subject to excessive heat such as the sun and fire.
- If you are not using the remote control for a long period of time, remove the batteries. The manufacturer

accepts no liability for the damage resulting from leaking batteries.

- Batteries, including those which contain no heavy metals, may not be disposed with other household wastes. Please dispose of used batteries in an environmentally sound manner. Find out the legal regulations which apply in your area.

Chapter 3

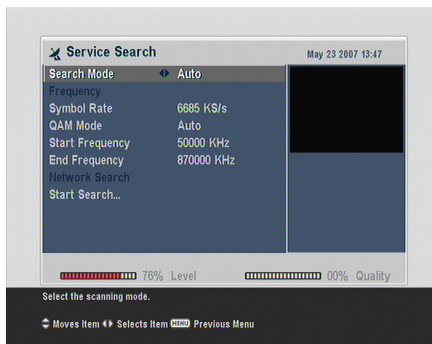
Service Search

After connecting up the digital receiver, you will need to perform a service search.

NOTE

If there is no service stored, you will be not able to access all menus. A SERVICE is another name for a CHANNEL.

3.1 Searching broadcasting services



To perform service search, select the Installation > Service Search menu. You should see a screen like the left figure.

You should set the **Search Mode** option to **Auto** at the first service search after installing the digital receiver. The digital receiver will search all available services with the automatic search mode within the frequency range from the frequency of the **Start Frequency** option to the frequency of the **End Frequency** option. **Symbol Rate** stands for data transfer rate, and **QAM** is a form of modulation used in digital broadcasting. Broadcasting operators send their services in a symbol rate by a modulation method. Perhaps you do not have to specify the **Symbol Rate** and **QAM Mode** options since they are seldom changed. However, you should set the **QAM Mode** option to **Auto** for more certainty. You can specify the **Start Frequency**, **End Frequency** and **Symbol Rate** options with the numeric buttons if you want to change them.

To search only one frequency, set the **Search Mode** option to **Manual** and specify your desired frequency at the **Frequency** option with the numeric buttons.

To start service search, select the **Start Search** item, then a box appears, displaying a list of found services. When it has completed, press the **[OK]** button to save found services. To stop at any time or to exit without saving, press the **[EXIT]** button.

3.2 Resetting to factory settings

The digital receiver maintains the following data:

- Services list
- Favourite list
- Timer list
- Preference settings

You can reset all data of the digital receiver. To do that, select the **Installation > Factory Setting** menu, and then you get asked for confirmation. If you select **Yes**, service entries, favourite entries and timer events will all be deleted, and preference options will be reset to the manufacturer's factory settings.

Chapter 4

Preference Settings

4.1 Language settings




You can select the language in which the menu would be displayed. In addition to that, you can select the language of audio track and of subtitle track. Select the **System Setting > Language Setting** menu. You should see a screen like the left figure.

4.1.1 Menu language

The digital receiver provides menus in several different languages. Set the **Menu Language** option to your desired language. Once you select a language, the menu will be immediately displayed in the selected language.


4.1.2 Subtitle language

Set the Subtitle Language option to your desired language. When you watch a programme, the subtitle track of the selected language will be displayed if available.

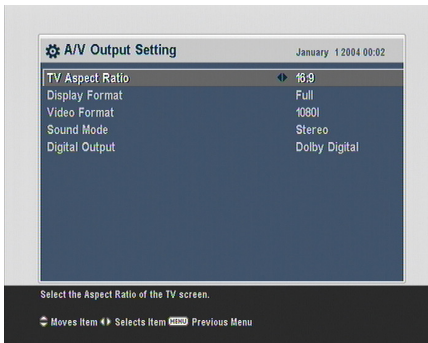
Apart from this setting, you can select a subtitle track with the  button. See §5.2.5 for a detailed description.

4.1.3 Audio language

Set the Audio Language option to your desired language. When you watch a programme, the audio track of the selected language will be outputted if available.

Apart from this setting, you can select an audio track with the  button. See §5.2.4 for a detailed description.

4.2 Video and audio settings



You have to configure the video and audio settings appropriately for your television set and other devices. Select the System Setting > A/V Output Setting menu. You should see a screen like the left figure.

4.2.1 High definition television

The digital receiver supports various video resolutions from 576 to 1080. In general a resolution of 720 or more is considered high definition. The higher the resolution is, the better the quality is. However, if your television set does not support high definition, you cannot enjoy high definition quality picture.

Set the Video Format option as you desire. If you set this option to 576P, the digital receiver will present even high definition programmes in resolution of 576. On the contrary, if you set it to 1080i, the digital receiver will present even standard definition programmes in resolution of 1080.

It is recommended to set it to Auto if you have a high definition television. With that setting the digital receiver will present a programme as it is without any resolution conversion. While watching television you can change the resolution with the **[V.Format]** button. Whenever you press it, the video resolution is changed in turn.

NOTE

You can enjoy only standard definition video with the following video outputs:

- Composite video output (VIDEO)

4.2.2 Television aspect ratio


If you have a wide-screen television, set the TV Aspect Ratio option to 16:9.



You can enjoy both wide-screen programmes and normal-screen programmes with your wide-screen television as the above figures show. If you have a normal-screen television, set the TV Aspect Ratio option to 4:3.

4.2.3 Audio mode

Basically, there are two audio sources as you can find two audio sockets on the back panel of the digital receiver. You can enjoy only one source or both of them in either stereo or mono. Set the **Sound Mode** option as you desire.

Apart from this setting, you can change the sound mode with the  button. See §5.2.4 for a detailed description.

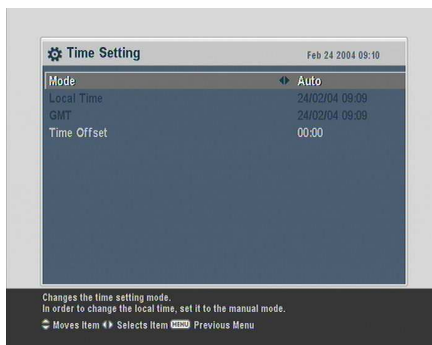
The digital receiver can output two types of digital audio signals via the S/PDIF output. One is an encoded signal, and the other is a decoded signal. If you have the digital receiver linked to your audio-video receiver via the S/PDIF output, you have to set the **Digital Output** option to **PCM**, which means that the digital receiver will output encoded Dolby Digital audio without decoding so that your audio-video receiver can decode it. Otherwise, set it to **Dolby Digital**, then the digital receiver will output decoded Dolby Digital audio, scaling down it to two channels.

NOTE

Only if the service you are currently watching provides a Dolby Digital audio track, you can enjoy Dolby Digital sound.

4.3 Local time setting

You should set your local time for timer events.



Select the **System Setting > Time Setting** menu. You should see a screen like the left figure. You can set the clock manually or use the time signal, Greenwich Mean Time (GMT), carried as part of the digital television broadcast. To use Greenwich Mean Time, take the following steps:

1. Set the **Mode** option to **Auto**, then the **Time Offset** option becomes enabled.
2. Set the **Time Offset** option to the time difference between your time zone and GMT referring to Table 4.1.
3. Make sure that your local time is correctly displayed on the **Local Time** item.

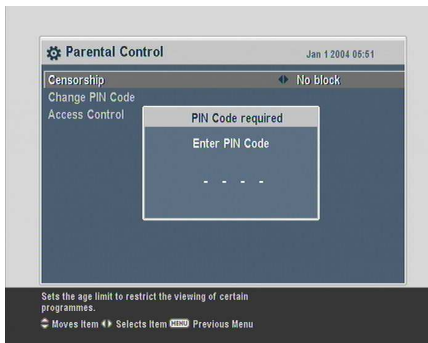
To set the local time manually, set the **Mode** option to **Manual** and enter your local time to the **Local Time** option with the numeric buttons. The time format is *day/month/year 24-hour:minute*.

4.4 Parental control

In general, television programmes are classified according to the level of violence, nudity and language of their content. When you are watching a programme, you can check its programme classification on the information box. For the information box, see §5.2.3. You can prevent your children from watching specific programmes by specifying a programme classification.

Table 4.1: Time offset table

Time offset	City
GMT – 12:00	Eniwetok, Kwajalein
GMT – 11:00	Midway Island, Samoa
GMT – 10:00	Hawaii
GMT – 09:00	Alaska
GMT – 08:00	Pacific Time US, Canada
GMT – 07:00	Mountain Time US, Canada
GMT – 06:00	Central Time US, Canada, Mexico City
GMT – 05:00	Eastern Time US, Canada, Bogota, Lima
GMT – 04:00	Atlantic Time Canada, La Paz
GMT – 03:30	Newfoundland
GMT – 03:00	Brazil, Georgetown, Buenos Aries
GMT – 02:00	Mid-Atlantic
GMT – 01:00	Azores, Cape Verde Islands
GMT	London, Lisbon, Casablanca
GMT + 1:00	Paris, Brussels, Copenhagen, Madrid
GMT + 2:00	South Africa, Kaliningrad
GMT + 3:00	Baghdad, Riyadh, Moscow, St. Petersburg
GMT + 3:30	Tehran
GMT + 4:00	Abu Dhabi, Muscat, Baku, Tbilisi
GMT + 4:30	Kabul
GMT + 5:00	Ekaterinburg, Islamabad, Karachi, Tashkent
GMT + 5:30	Bombay, Calcutta, Madras, New Delhi
GMT + 6:00	Almaty, Dhaka, Colombo
GMT + 7:00	Bangkok, Hanoi, Jakarta
GMT + 8:00	Beijing, Perth, Singapore, Hong Kong
GMT + 9:00	Tokyo, Seoul, Osaka, Sapporo, Yakutsk
GMT + 9:30	Adelaide, Darwin
GMT + 10:00	Eastern Australia, Guam, Vladivostok
GMT + 11:00	Magadan, Solomon Islands, New Caledonia
GMT + 12:00	Fiji, Auckland, Wellington, Kamchatka



Select the System Setting > Parental Control menu. You should see a screen like the left figure, and you will be asked your Personal Identification Number (PIN). The number is initially set to '0000' as default.

If you wish to block 15 or above rated programmes, set the Censorship option to 15 (age). Setting it to No block blocks no programme; on the other hand, setting it to Total block blocks every programme.

NOTE


If a programme does not have any programme classification information, your censorship setting will not take effect.

If anyone is trying to watch a programme that is of or above the censorship setting, the person has to enter the personal identification number to override. To change the number, select the Change PIN Code menu, then an input box appears. You have to enter a desired number twice for confirmation.

You can also restrict uses of some menus. Selecting the Access Control menu displays a list of menus that you can lock. If the Time Setting item is set to Locked, you have to enter the personal identification number when accessing the Time Setting menu. If you enter a wrong number, you cannot use the menu. To release a shut item, set it to Unlocked.

4.5 Adjusting the On-Screen Display

You can adjust the transparency level of the On-Screen Display (OSD). Select the System Setting menu and set the OSD Transparency option as you desire. Its available range is 0 to 50 percent.

You can adjust the display time of the information box. For the information box, see §5.2.3. To adjust its display time, select the System Setting menu and set the Info Box Display Time option as you desire. Its available range is 1 to 30 seconds. If you set this option to No Info Box, the information box will not be displayed when you switch services. However, pressing the  button will display the information box. If you set this option to Never Hide, the information box will always be displayed.

In addition, you can raise or lower the position of the information box. Select the **System Setting** menu and set the **Info Box Position** option as you desire. Its available range is -10 to $+3$ lines. The higher you set the option, the lower the information box will be positioned.

4.6 Standby mode

You can save power consumption in standby mode by setting the **LPC Settings** option in the **System Setting** menu. Normally the front display shows the current time in standby mode. However, if you set the **Enable front display** option to **No**, the front display will be turned off to save power. In addition, when there is no other digital receiver connected to the **CABLE OUT** socket, you should set the **Enable the loop-through** option to **No**. By disabling these options, you can save power consumption more than 1 watt in standby mode.

Chapter 5

Daily Usage

5.1 Volume control

Use the $\boxed{V-}$ and $\boxed{V+}$ buttons to alter the volume to a comfortable level. You may need to adjust the volume on your television set too. To temporarily switch off the sound, press the $\boxed{\text{M}}$ button. Press it again to restore the sound to previous level.

5.2 Watching television

To change services, press the $\boxed{P-}$ or $\boxed{P+}$ button. Pressing the $\boxed{\text{O}}$ button switches to the previously viewed service. In addition, you can switch to your desired service by entering its service number with the numeric buttons. You can also select a service to watch in the services list.

5.2.1 The services list

To view the services list, press the $\boxed{\text{OK}}$ button.



On the services list, you can see the service information as follows:

- Service number and name
- Transponder information

A dollar sign (\$) may be marked on some entries, indicating pay service. To watch pay services, you need a subscription card. To select a desired service, put the highlight bar on its entry with the (P+) or (P-) button and press the (OK) button; then the selected service will be presented.

Pressing the (V-) or (V+) button skips over 10 entries up or down. Entering a service number with the numeric buttons puts the highlight bar on its entry.

You can switch between the television services list and the radio services list by pressing the (R) button.

Pressing the (F3) button performs an alphabetic browse. For instance, when the highlight bar is on an entry of which initial is B, pressing the (F3) button puts the highlight bar on the first entry of which initial is C. To sort the services list by service name, press the (F2) button. Pressing this button once more makes it sorted by service number.

Pressing the (F4) button displays additional options, with which you can do the following:

- By setting the Show Provider option to On, you can view service entries by groups of broadcasters.
- To change the name of the highlighted service, select the Rename option, then the on-screen keyboard appears, with which you can enter a new name. See §6.3 as to how to use the on-screen keyboard.

- You can prevent other family members from watching the highlighted service by setting the Lock option to Locked. You have to enter your personal identification number to watch or unlock it.
- To add the highlighted service into a favourite group, select the Add to Fav option, then the favourite groups will be displayed. Put the highlight bar on a desired group and press the button.
- You can additionally sort the services list with the Sorting option as follows:

Default by service number

Alphabetic by service name

FTA–CAS from free services to pay services

CAS–FTA from pay services to free services

Provider by service provider

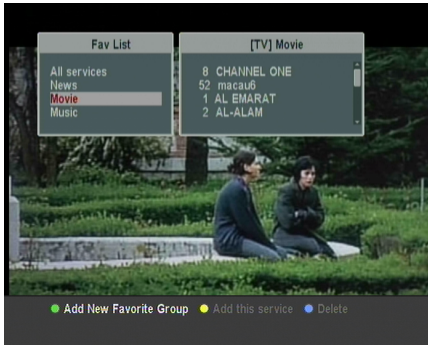
Fav–NoFav from favourite services to unfavourite services.

- To delete the highlighted service, select the Delete option, then you get asked for confirmation. If you select Yes, it will be deleted. If you want to restore it as before, you have to perform service search again.

See §6.1 as to how to edit the services list.

5.2.2 The favourite service lists

You can select a service to watch on a favourite list as well as on the services list.



To display the favourite lists, press the **(FAV)** button. You should see a screen like the left figure. As you move the highlight bar up or down on the favourite group list at the left box, favourite services belonging to the highlighted group are listed on the right box.

As to how to edit the favourite lists, refer to §6.2.

To select a favourite service, put the highlight bar on a desired group and press the **(V+)** button; a highlight bar appears on its favourite services list. Once you select a desired service with the **(OK)** button, it will be presented. Otherwise, to select other group, press the **(V-)** button.

After you have selected a favourite service, if you then switch to another service using the **(P+)** or **(P-)** button, it will be also another favourite service of the selected group. The digital receiver will remind you what group you have selected by displaying its name at the top right of the screen whenever you switch services. If you wish to get out of the current group, select the **All services** group on the favourite group list.

Besides that, you can add or delete a favourite group or service. To add a service you are currently watching into a favourite group, put the highlight bar on a desired group and press the **(F3)** button. To create a new group, press the **(F2)** button; then the on-screen keyboard appears. Enter your desired name and save it. See §6.3 as to how to use the on-screen keyboard. To delete a group or a service, press the **(F4)** button, then you get asked for confirmation. With the choice of **Yes**, it will be deleted.

5.2.3 Viewing programme information

Pressing the **(i)** button displays the information box, on which you can see all of the following:



- Service number and name
- Transponder information
- Signal level and quality
- Programme name
- Programme classification symbol
- Programme summary
- Broadcasting time
- Current time


In addition, you might see the following symbols:

- Subtitle symbol (**(☐)**) if subtitle tracks are provided on the current programme.
- Teletext symbol (**(☐☐☐)**) if teletext pages are provided on the current service.
- Dolby Digital symbol (**(D)**) if a Dolby Digital audio track is provided on the current programme.
- Lock symbol (**(🔒)**) if the current service is locked.
- Dollar symbol (**(\$)**) if the current service is a pay service.



If the electronic programme guide is provided on the current service, you can see the information about the current and next programmes with the **(V-)** or **(V+)** button. To adjust the sound volume at this time, hold down the **(V-)** or **(V+)** button until the sound bar appears and reaches your desired level.

Pressing the **(i)** button once more displays detailed information about the current programme. To hide the information box, press the **(EXIT)** button.



5.2.4 Selecting audio tracks




Some programmes are provided with audio tracks in one or more languages. Pressing the  button displays available audio tracks. Once you select an audio track, that track will be heard. In addition, you can enjoy audio tracks in four sound modes: Stereo, Mono, Left or Right.

5.2.5 Selecting subtitle tracks

Some programmes are provided with subtitle tracks in one or more languages. If the current programme provides subtitle tracks, the subtitle symbol () will be marked on the information box. Pressing the  button displays available subtitle tracks. Once you select a subtitle track, it will be displayed.

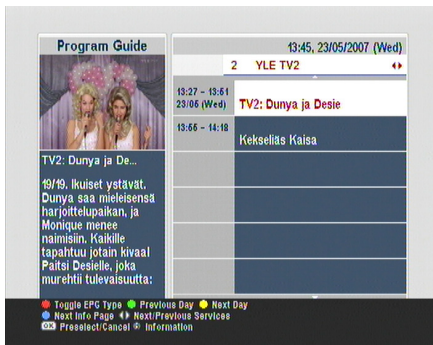
5.2.6 Viewing teletext

On some services, such information as weather reports, news or stock quotations is provided by means of teletext. If the current service provides teletext, the teletext symbol () will be displayed on the information box. Press the  button to view teletext pages.

Select a page to view by entering its page number with the numeric buttons. You can zoom into a teletext page with the  button, and adjust its transparency level with the  button. To clear the teletext screen, press the  button.

5.3 Viewing electronic programme guide

The Electronic Programme Guide (EPG) shows the current and scheduled programmes that are or will be available on each service with a short summary for each programme.



Pressing the **GUIDE** button displays the electronic programme guide, on which you can see the following:

- Scheduled programmes
- programme summary
- Broadcasting date
- Broadcasting time

To see detailed information of a desired programme, put the highlight bar on the programme with the **P+** or **P-** button and press the **i** button. To switch to another service, press the **V-** or **V+** button. You can travel over previous days with the **F2** button, and can travel over next days with the **F3** button.

To see the programme guide for radio broadcasts, press the **📻** button. To switch it back, press the **📺** button again.

Pressing the **F1** button displays the programme guide in the form of spreadsheet. To switch it back, press the **F1** button again.

You can make a timer event on the electronic programme guide as follows:

1. Select a service you want.
2. Press the **GUIDE** button to display its programme guide.
3. Select a programme you want with the **OK** button, then **P** is marked up on the entry. At the same time, a timer event with the selected programme will be made in the timer list. Refer the timer list to §5.4.
4. To remove the marking, press the **OK** button once again.

5.4 Making timer events

You can make your desired services to be presented at a specific time. Even if the digital receiver is in standby mode, it will switch into operation mode at a specified time. And it will switch back into standby mode again after the specified duration. However, if you press any button on the remote control or on the front panel even just one time, the digital receiver will not switch into standby mode.



To input a timer event, select the Timer Setting menu, then the timer list will be displayed. To add a new timer event, press the **[F1]** button, and a box like the left figure appears. Take the following steps:

1. If you want a radio programme, set the **Type** option to **Radio**; otherwise, set it to **TV**.
2. Set the **Service** option to the service which provides the programme you want. Pressing the **[OK]** button on this option displays a services list, from which you can select your desired service.
3. There are five timer modes:

One Time means literally 'one time.'

Every Day means literally 'every day.'

Every Weekend means 'Saturday and Sunday every week.'

Weekly means 'one day every week.'

Every Weekday means 'from Monday to Friday every week.'

If your favourite programme is broadcast at weekends and you wish to watch every episode of the programme, set the **Mode** option to **Every Weekend**.

4. Set the **Date** option to a desired date, on which the digital receiver will turn on. The date format is *day/month/year-day of the week*.

Set the **Wakeup Time** option to a desired time, at which the digital receiver will turn on. The time format is *hour:minute*.

5. Set the **Duration** option to a desired time, in which the digital receiver will turn off.
6. To set a timer event with the above settings, select the **OK** item; otherwise, it will not be saved and will not occur.

You can also edit or delete timer events in the timer list. To edit a timer entry, put the highlight bar on the entry you want and press **OK** button, then appears a box in which you can change its settings in the same manner as making a new one.

To delete a timer event, put the highlight bar on the entry you want to remove and press the **F2** button, then you get asked for confirmation. With the choice of **Yes**, it will be deleted.

NOTE

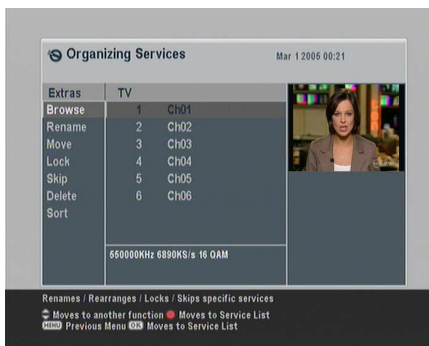
Do not operate the digital receiver while it is working on a timer event. If you press any key on the remote control or on the front panel, it will not turn off automatically even after the timer event is complete.

Chapter 6

Listing Services

6.1 Editing the services list

You would have got the services list after service search. You can rename, move, lock or delete service entries on the services list.



Select the Organizing Svc/Fav > Organizing Services menu. You should see a screen like the left figure. There are editing options on the left column and service entries on the right column.

Once you put the highlight bar on a desired option on the left column and press the **OK** button, you can select a desired service to edit on the right column. To go over to the other column, press the **F1** button.

To edit the radio services list, press the **Ⓜ** button, then radio

service entries will be listed on the right column. To switch back to the television services list, press it again.

To change the name of a service, select the **Rename** and select a desired service; then the on-screen keyboard appears. See §6.3 as to how to use the on-screen keyboard.

Unlike analogue broadcasts, each service does not have a proper service number in digital broadcasts. Service numbers are just assigned to services in the order that they were found in service search. So you can reassign a service number by moving a service entry. To move a service entry, select the **Move** option and select a desired service; then the selected service becomes darker. As you move it up or down, it gets renumbered according to the position. Press the **OK** button to fix it.

You can lock some services to prevent your children from watching them. To lock a service, select the **Lock** option and select a desired service; then the selected service gets marked with a lock symbol (🔒) on it. If anyone tries to watch a locked service, the person has to enter the personal identification number that is set to the **Change PIN Code** option. See §4.4 for this option. Pressing the **OK** button on a locked service entry turns it back to be unlocked.

To delete a service, select the **Delete** option and select a desired service with the **OK** button, and then press the **EXIT** button; you get asked for confirmation. If you select **Yes**, the selected service will be deleted. If you want to undo the deleted service, there is nothing you can do but perform a service search again.

Once you select the **Sort** option on the left column, sorting options are displayed as follows:

Default by service number

Alphabetic by service name

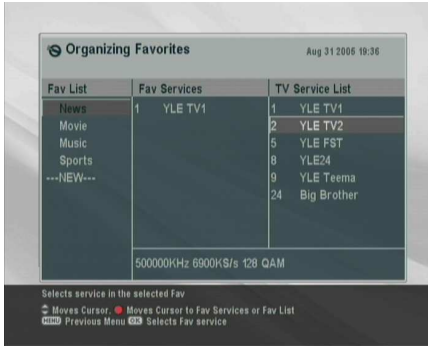
FTA-CAS from free services to pay services

CAS-FTA from pay services to free services

Provider by broadcaster

6.2 Editing the favourite lists

You can make your own favourite service lists. In fact, you can define multiple favourite service lists, each being a 'group' of chosen services.



Select the Organizing Svc/Fav > Organizing Favorites menu. You should see a screen like the left figure. There are three columns:

- Group list (left)
- Favourites list (centre)
- Services list (right)

The services list contains all available services, whereas the favourites list contains only chosen services that have been added to the highlighted group. As you move the highlight bar up or down on the group list, favourite services belonging to the highlighted group get shown in the favourites list.

You can add up to 30 groups. To add a group, select the NEW item in the group list, then the on-screen keyboard appears. See §6.3 as to how to use the on-screen keyboard.

To rename a group, put the highlight bar on the group entry you want and press the **F2** button, then the on-screen keyboard appears. See §6.3 as to how to use the on-screen keyboard.

To delete a group, put the highlight bar on the group entry you want and press the **F3** button, then a message box appears asking you for confirmation. If you select Yes, it will be deleted.

You can add a favourite service to a group by taking the following steps:

1. Put the highlight bar on a desired group entry in the

group list and press the **OK** button to select it. The highlight bar then moves to the services list.

2. To add a service to the selected group, put the highlight bar on a desired service entry and press the **OK** button. The selected service entry gets added to the favourite list. Repeat this step to add more entries.
3. Press the **F1** button and the highlight bar gets moved to the favourite list. You can delete a favourite entry with the **OK** button.
4. To select another group, press the **F1** button again. By pressing the **F1** button, the highlight bar gets moved to each column.

Furthermore, you can rearrange a group's favourites by moving a favourite entry. To move a favourite entry, put the highlight bar on the favourite entry you want and press the **F2** button. Move it to a desired place and press the **OK** button.

To add radio services, press the **Ⓜ** button, then radio service entries get listed in the services list. To recall the television services list after adding radio services, press the **Ⓜ** button again.

As to how to use the favourite service lists you organised, refer to §5.2.2.

6.3 How to use on-screen keyboard



You can move the highlight key horizontally with the **V-** and **V+** buttons and vertically with the **P+** and **P-** buttons. Pressing the **OK** button on a key enters its letter in the input line.

To type a space, select the **Space** key or alternatively press the **F3** button. To type lower case letters or numerals, select the **Other** key or alternatively press the **F2** button. To delete a letter, put the cursor to the right of the desired letter on the input line and then select the **Del** key or alternatively press **F1** button. You must select the **Save** key or alternatively press the **F4** button to complete naming; otherwise if you press the **EXIT** button, it will not be named.

Chapter 7

Firmware Update

It is possible to update the firmware to the latest version over the air. If a new version is available at any time, then a message box pops up, asking you whether to start firmware update. With the choice of **Yes**, you will be moved to the **System Software Upgrade** menu, and the firmware update will be started.

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