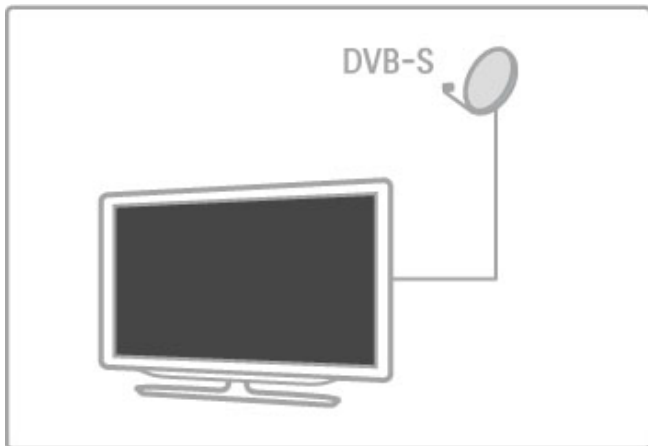


4.4 Satellite channels

Introduction

As well as the DVB-T and DVB-C reception, this TV has a built-in satellite **DVB-S receiver**. With a satellite dish antenna connected, you can receive **digital satellite channels**. You do not need an external satellite receiver.



LNB

An LNB (Low Noise Block-downconverter) captures the signals from a satellite and is mounted at the end of the pole on the dish antenna. The TV can receive signals from 4 different LNBs.

Installation

With a properly set-up and connected satellite dish antenna, you can install satellite channels on the TV.

You can install channels from 4 different satellites (4 LNBs).

1 Install

To search for satellites and install satellite channels, press **Home** > **Setup** > **Search for satellite** and press **OK**. If you have already installed satellites, select **Reinstall channels** and press **OK**.

2 Connection type

Before you start searching for satellites, you must set the connection type. The connection type will determine the number of LNBs you can install (the number of different satellites). For ease of installation, select the correct type for the number of satellites you want to install.

To set up the connection type, select **Settings** and press **OK**. Select **Connection type** and select **One LNB** if you have only one LNB, select **DiSEqC Mini** for 2 LNBs or select **DiSEqC 1.0** to install 3 or 4 LNBs. Select **Done** to close the settings.

3 Search for satellites

To start the search, select **Start** and press **OK**. The TV searches for all available satellites. This can take several minutes. If no satellites are found, check the antenna connections and the position of the dish antenna.

The signal quality shown is not always representative of the signal quality of all channels on that satellite.

To repeat the search for satellites, select **Restart** and press **OK**. If you are satisfied with the satellites found, you can install all their channels.

4 Install channels

To install all channels for the satellites you found, press **Install**. The installation can take several minutes per satellite.

When the installation is finished, you can find all channels in the satellite Channel list.

More settings

For most satellites, you do not need to change the LNB settings but, if you are searching for a specific satellite on C-band for instance, you need to set the LNB you use for this satellite to **Single**. Or, if you are an expert user, you might need a **Custom** setting for the LNBs you use.

Reset

You might have lost track of the settings you set up.

To reset the satellite installation settings to factory settings, select **Reset** in Settings and press **OK**.

Signal reception test

The automatic channel install might have missed a specific channel or channels from a transponder. You can add a transponder with Signal reception test. Read **Help** > **Setup** > **Satellite channels** > **Signal reception test**.

Dish antenna connection

Read more about the antenna connection for satellite in **Help** > **Connections** > **First connections** > **Satellite antenna**.

Find the list of preset satellites on this TV in **Help** > **Specifications** > **Power and reception**.

Add satellites

If satellite channels are already installed, you can add an extra satellite to the installation. You can install channels from 4 different satellites - 4 LNBs.

1 Connection type

Check the Connection type setting before you add a satellite. The setting **One LNB** receives only one LNB, the setting **DiSEqC Mini** receives only 2 LNBs and the setting **DiSEqC 1.0** can receive 3 or 4 LNBs.

To check the Connection type first, press **Home** > **Setup** > **Search for satellite** and press **OK**. Select **Reinstall channels** and select **Settings** and press **OK**. Select **Connection type** and select the setting you need for the number of satellites you want to install. Select **Done** to close the settings. Press **Back** to close Reinstall channels.

2 Add a satellite

To add a satellite, press **Home** > **Setup** > **Search for satellite** and press **OK**. Select **Add satellite** and press **OK**. The TV searches for a satellite on the first free LNB. This can take several minutes.

If no satellites are found, check the antenna connections and the position of the dish antenna. Select **Restart** or **Next LNB**.

If there are no free LNBs, you can remove a satellite first. Read **Remove satellites** on the following page.

3 Install channels

If you are satisfied with the added satellite, you can install the channels.

To install all channels, press **Install**. The installation can take several minutes. When installation is complete, you can find the added channels in the satellite Channel list.

You can remove a satellite from your satellite installation.

To remove a satellite, press **⬆** > **Setup** > **Search for satellite**. Select **Remove satellite** and press **OK**. Select the satellite you want to remove and press **OK**. To confirm, select **Yes** and press **OK**. The satellite and its channels are removed from the installation.

Update channels

If satellite channels are already installed, you can update the channel list with possible new channels from all installed satellites.

To update the satellite channels, press **⬆** > **Setup** > **Search for satellite**. Select **Update channels** and press **OK**. The TV scans the satellites for new channels and adds them to the list. Empty channels are removed from the list. The update can take several minutes per satellite. When the update has finished, the Channel list for satellites is updated.

Channel list copy

Channel list copy is intended for dealers and expert users.

Channel list copy will copy both terrestrial and satellite channels.

With Channel list copy, you can copy the channels installed on one TV onto another Philips TV of the same range. With Channel list copy, you avoid the time-consuming channel search and you can offer a predefined channel list setup. The small file you copy fits every USB memory device.

Conditions

- Both TVs are from the same year range.
- Both TVs have the same product type suffix for DVB (H, K, M, T or D/00) in their type number and have the TV installed for the same country.
- Both TVs have an identical satellite installation setting.

- Both TVs have the same hardware type. Check the hardware type on the TV type plate on the back of the TV. Typically noted as Q . . . LA
- Both TVs have compatible software versions. When you upload, an on-screen message will warn you if software versions are not compatible.

Copy a Channel list

1 Switch on the TV which has its channels installed. Plug in a USB memory device.
2 Press **⬆** > **Setup** > **TV settings** > **Preferences** > **Channel list copy** > **Copy to USB** and press **OK**. To copy the Channel list from this TV, you might be asked to enter the TV PIN code you entered during the installation.

3 When copying is done, unplug the USB memory device.

Now you can upload the copied Channel list onto another Philips TV.

Upload a Channel list

To a TV that's not yet installed

1 Plug in the power plug to start the installation and select language and country. You can skip Search for channels. Finish the installation.
2 Plug in the USB memory device that holds the Channel list of the other TV.

3 To start the Channel list upload, press **⬆** > **Setup** > **TV settings** > **Preferences** > **Channel list copy** > **Copy to TV** and press **OK**. You might be asked to enter the TV PIN code of this TV.

4 The TV notifies if the Channel list is copied to the TV successfully. Unplug the USB memory device.

To an already installed TV

1 Verify the country setting of the TV. (To verify this setting, press **⬆** > **Setup** > **Search for channels** > **Reinstall channels** and press **OK**. Press **⬅** (Back) and later **Cancel** to leave the Search for channels.)

If the country is correct continue with step 2 hereunder. If the country is not correct, you need to start a reinstallation. To start the reinstallation, press **⬆** > **Setup** > **TV settings** > **Reinstall TV** and press **OK**. Select the correct country and skip the Search for channels. Finish the installation. When done, return to step 2.

2 Plug in the USB memory device that holds the Channel list of the other TV.

3 To start the Channel list upload, press **⬆** > **Setup** > **TV settings** > **Preferences** > **Channel list copy** > **Copy to TV** and press **OK**. You might be asked to enter the TV PIN code of this TV.

4 The TV notifies if the Channel list is copied to the TV successfully. Unplug the USB memory device.

Signal reception test

With Signal reception test for satellites, you can check the signal strength of a satellite or you can add a new satellite channel.

To start Signal reception test, press **⬆** > **Setup** > **Search for satellite**. Select **Signal reception test** and press **OK**.

1 Select the **LNB**.
2 If you know the frequency of the transponder (which can hold several channels), select **Frequency** and enter it.
3 Select **Search** and press **OK**.

4 If the TV finds a frequency and there is a store button shown, a new transponder has been found.

5 Press **Store** to add the new transponder with its channel or channels to the Channel list.

To add another transponder, select **Exit** and repeat the steps.

Troubleshooting

The TV cannot install the satellite I want

- Check the orientation of the dish antenna.
- Check the setting for the LNB that you use for this satellite.
- Check the connection type in the satellite installation settings.

- Reset all satellite settings if you lost track of the settings you changed. Read **Help** > **Setup** > **Satellite channels** > **Installation**.

The reception of a satellite channel is poor

- Check the orientation of the dish antenna.

Sometimes the reception is poor

- Check if the dish antenna is solidly mounted. Strong winds can move the dish.
- Snow and rain can degrade reception.

Read more about troubleshooting in **Help** > **Troubleshooting**.