DVBSBridge for ProgDVB – installation and configuration

Table of contents

Installation

Preconditions

You have to be running as Administrator.
It is advised to turn off UAC if you are running under Vista.

Upgrade from previous version of DVBSBridge for ProgDVB

If you are upgrading from the previous version of DVBSBridge for ProgDVB, you should do the following before you start installation of the new version:

- Save your existing **pdmcebridge_channels.ini** (from <<current installation path of DVBSBridge>>\Sources\ProgDVB). You will need this file after the installation to restore your channel mappings.
- If you have changed default configuration values of DVBSBridge for ProgDVB source plugin, please remember those changes. You will have to reapply them after installation completes.
- ***Uninstall existing version of DVBSBridge source plugin for ProgDVB, uninstall DVBSBridge service from Control Panel and reboot the computer as prompted.***

DVBSBridge for ProgDVB Installation

1. **Install ProgDVB**

If you do not have it installed yet, install ProgDVB version 4.85.3. After installation, scan the channels and make sure that you can watch them in ProgDVB.

2. **Install DVBSBridge service**

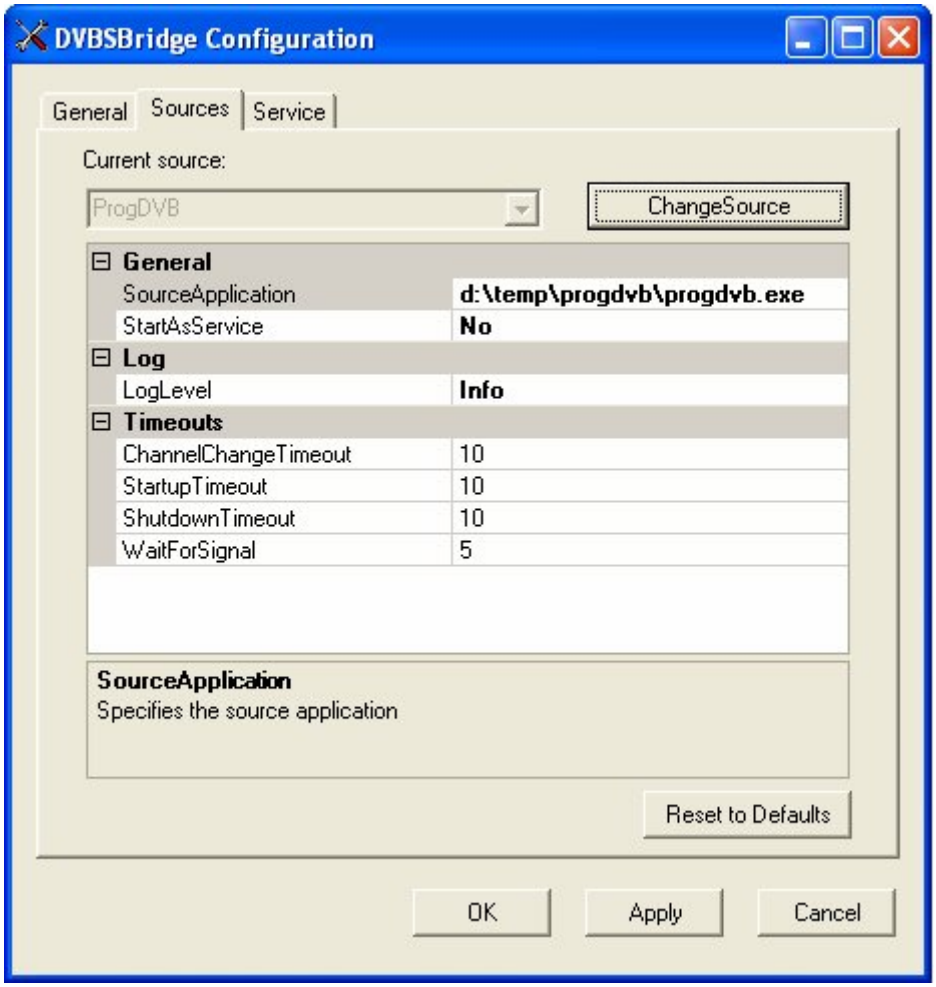
To install DVBSBridge service start ***DVBSBridge.msi*** installation file. Once it is started you will be presented with the installation wizard. Follow the instructions of this wizard to install the software.
In course of installation you will be prompted by operating system whether to continue installation of unsigned (unverified) drivers. Answer Yes or Continue to these questions.
Once installation is completed you will be prompted to reboot the system. ***Please reboot***. When system is rebooted, proceed with DVBSBridge for ProgDVB source plugin installation.

3. **Install DVBSBridge for ProgDVB source plugin**

To install DVBSBridge for ProgDVB source plugin start ***DVBSBridgePD.msi*** installation executable. Once it is started you will be presented with the installation wizard. Follow the instructions of this wizard to install the software.

4. **Select location of your ProgDVB installation**

When installation wizard of DVBSBridge for ProgDVB completes, it will automatically launch DVBSBridge Configuration Utility. Select *Sources* tab and browse to correct location of your progdvb.exe file:



5. (optional) For users with motorized satellite dish

Users with motorized satellite dish should set *WaitForSignal* value to 10-15 seconds, depending on the speed of the motor

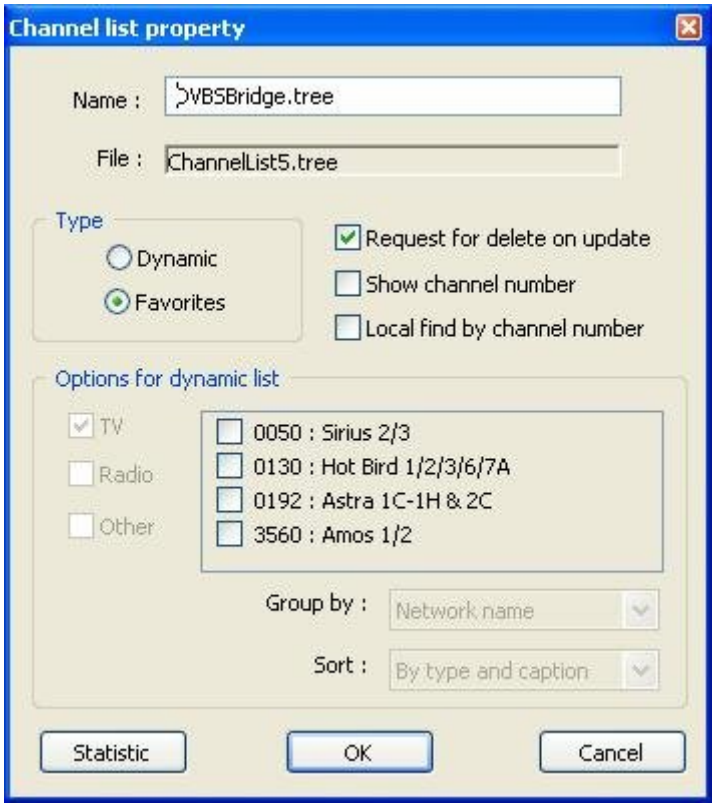
6. Apply configuration changes

Press Ok button to apply configuration changes. This will close DVBSBridge Configuration utility.

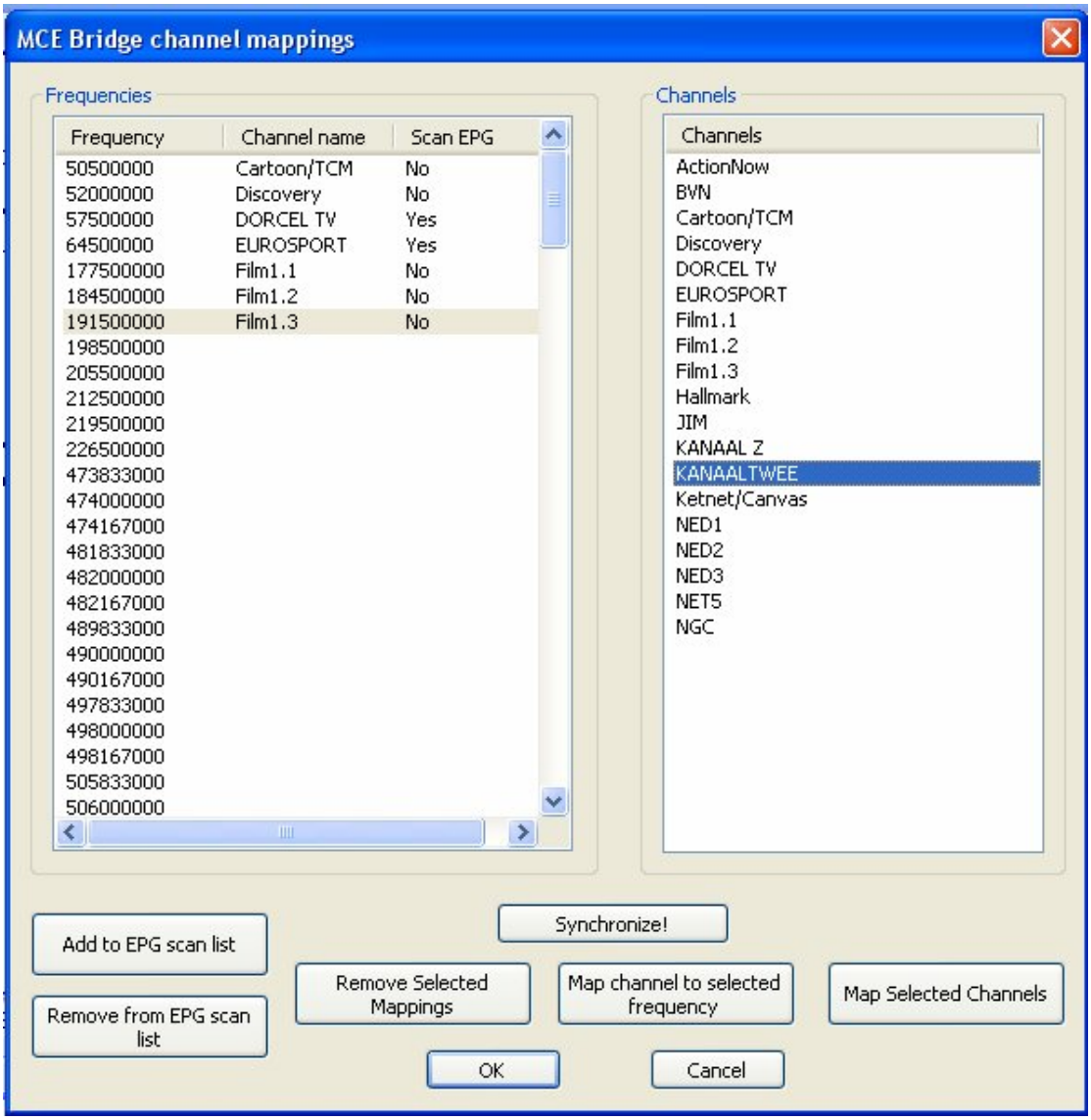
7. Do channel mapping

In case of **upgrade**, copy your old pdmcebridge_channels.ini file over the new one in << installation path of DVBSBridge>>\Sources\ProgDVB to restore channel mappings. After that proceed to the step 8.

In case of **initial installation** launch ProgDVB and create DVBSBridge.tree favorites channel list. To create this channel list select *New* menu item from *Channel List* menu of ProgDVB. In the dialog that comes, type *DVBSBridge.tree* for the channel list name and select Favorites as a type of the channel list:



After you click Ok, ProgDVB creates new DVBSBridge.tree channel list. Then copy to this list all channels, which you would like to make available in MCE.
To actually map the channels from DVBSBridge.tree channel list to DVB-T frequencies, go to the ProgDVB modules overview (Menu *Settings -> Modules Overview*), select MCE Bridge from the list and press *Properties* button. The main window of the channel editor dialog appears:



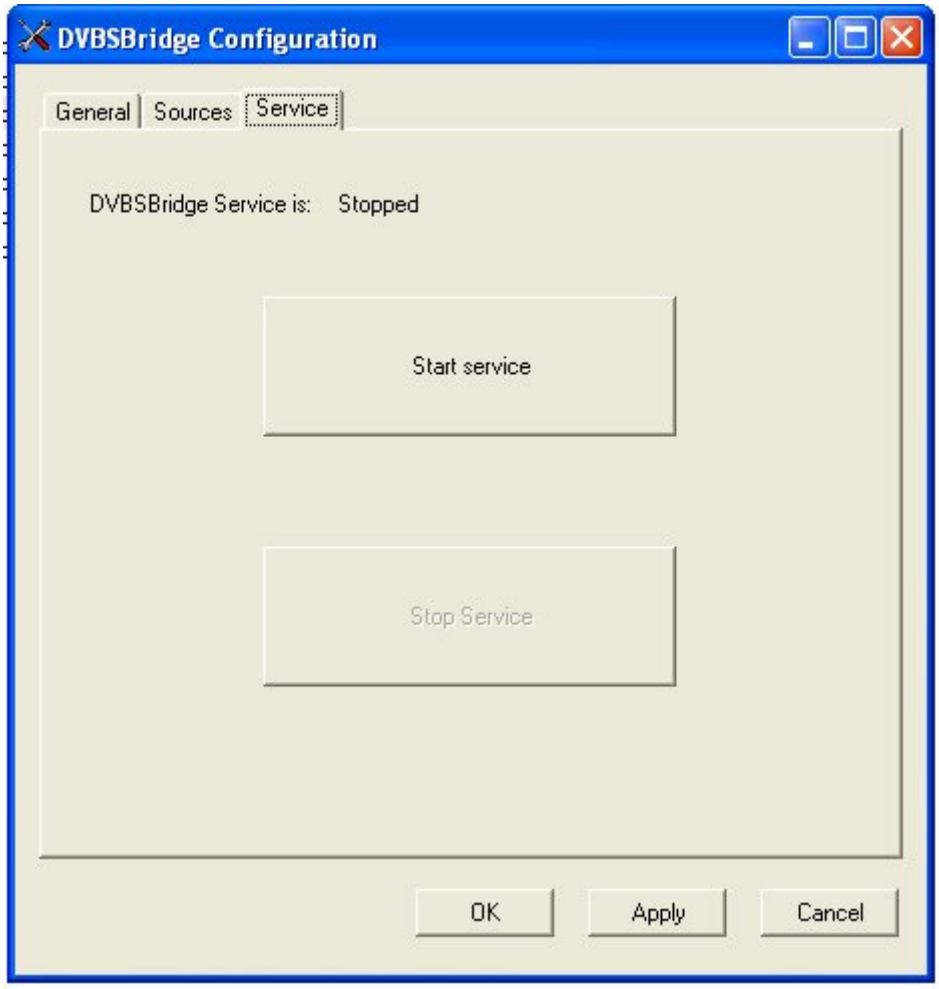
The list on the left shows the DVB-T frequencies, available for mapping and ProgDVB channels, already mapped to them. The list on the right shows channels from DVBSBridge.tree channel list of ProgDVB.

Press Synchronize! button to make channels from DVBSBridge favorites list visible to MCE.

Save your channel mappings by pressing Ok button in the dialog. Then press Ok in Modules dialog of ProgDVB and close ProgDVB application.

8. Restart DVBSBridge service

Start DVBSBridge Configuration Utility. Select *Service* tab:



Press *Stop Service* button and wait until service is stopped. Then press *Start Service* button and wait until service starts.
Launch Windows Task Manager and check whether ProgDVB is running also.

9. Scan the channels in MCE

At this point DVBSBridge for ProgDVB installation is complete and you may proceed with scanning channels in MCE as described below.

Channels scan in MCE

Before you start scanning channels in MCE you have to do the channel mappings and to have DVBSBridge service started (and ProgDVB if you have chosen not to run it as a service).

Scanning procedure for European users (countries with DVB-T support)

1. Start MCE
2. Click Setting > TV > Set Up TV Signal
3. Which Region are you using? – Select your country (France, Germany, Netherlands etc.)
4. What type of TV signals do you receive (cable, satellite, antenna)? – select Antenna
5. At this point you may get the choice of possible DVB-T providers in your area. Select “Other digital terrestrial (DVB-T) provider”.
6. Click Set Up Guide listings

7. Do you want to use the Guide? – Select “Yes”. The MCE installation wizard will walk you through the steps of MCE Guide installation.
8. Scan for service you can receive.

Click on Scan button.
At this point this process should take around 1-5 minutes and you should see the name of the channels that you have detected.
When the scanning is finished you should be able to tune to the scanned channels and browse the guide.

Scanning procedure for North American users (and all users from the countries without DVB-T support)

1. Start MCE
2. Click Setting > TV > Set Up TV Signal
3. Which Region are you using? – Select Germany
4. What type of TV signal do you receive (cable, satellite, antenna)? – select Antenna
5. Please select the appropriate signal standard for you local TV services (analog-only antenna(NTSC) or Digital terrestrial (DVB-T)? – Select “Digital terrestrial (DVB-T)”
6. Confirmation message appears saying that You Are Done!
7. Click Set Up Guide listings
8. Do you want to use the Guide? – Select “No”. If you click yes MCE will no be able to scan and find your mapped channels.
9. Scan for service you can receive.

Click on Scan button.
At this point this process should take around 1-5 minutes and you should see the name of the channels that you have detected.
When the scanning is finished you should be able to tune to the scanned channels but you don't have a button to view the guide.

10. Once you scan and detect the channel you could try to setup the guide. This step is optional but will allow you to have access to the guide button with all channels without EPG.

Scanning procedure troubleshooting

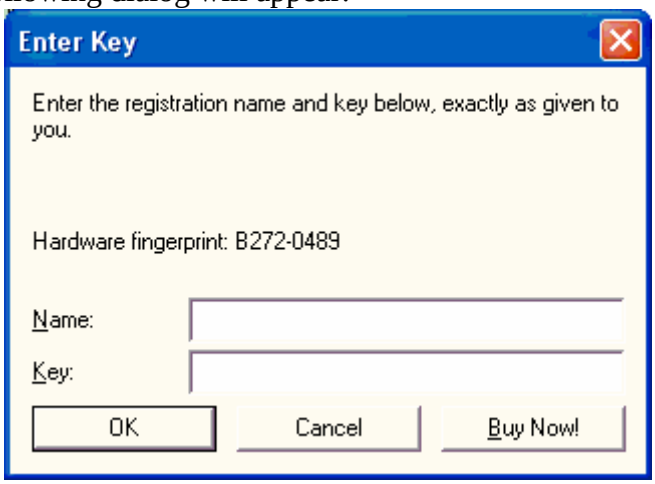
1. MCE only detects channels, which can be viewed in ProgDVB itself (e.g. produce correct picture and sound). It means that if MCE cannot find certain channels during it scanning procedure, it should be checked first whether these channels are viewable in ProgDVB.
2. If there are no (or not all) channels found, please remember that DVBSBridge assumes that the whole DVB-T frequency range is available. In certain countries it might be not so evident. To verify this assumption, change the MCE region to Germany and redo the scan.
3. You can also use DVBSBridge Frequency Detector utility to profile the DVB-T frequencies, which are available in your region.
4. (*Advanced*) Set LogLevel setting at Sources tab of DVBSBridge configuration utility to “Info” and redo the scan. Examine the log file (pdmcebridge.log in Sources\ProgDVB) for possible errors.

If all of the above fails, please visit our forum at www.dvbsbridge.com

Registration

If you tried a trial version of DVBSBridge for ProgDVB and decided to buy it, here is what you have to do:

1. Start DVBSBridge Configuration utility
2. At the left bottom of the Sources tab of the DVBSBridge Configuration utility you should see your registration information:
    a. If your current version is a trial version, this will be displayed together with a number of evaluation days left
    b. If your current version is a registered version, then name of the owner and a key will be displayed.
3. To register the DVBSBridge for ProgDVB, click on “Enter Registration Code” button. The following dialog will appear:



4. You have to write down the Hardware fingerprint and mention it when sending a registration payment at DVBSBridge website.
5. Shortly after that you will receive your key. When you have it, start DVBSBridge Configuration utility again, press “Enter Registration Code” button and enter your registration information: name and a key, exactly as it was sent to you.
6. If correct registration information is entered, DVBSBridge for ProgDVB becomes registered and you may enjoy it as long as you like.
7. Do not forget to restart DVBSBridge service for registration information to become effective.

Please remember that registration information of DVBSBridge for ProgDVB is locked to a specific PC, where it is used. It might happen that after HW changes the registration information becomes invalid. If this is the case, you have just to reenter your registration information in DVBSBridge Configuration utility. A single key supports up to 4 hardware changes. Should you go beyond this number, please contact DVBLogic at info@dvbsbridge.com to get a new key.

DVBSBridge for ProgDVB configuration

Applying the changes

For all configuration changes to become effective DVBSBridge service has to be restarted. If ProgDVB is not started as a part of service it has to be restarted as well.

EPG Scanning

DVBSBridge has built-in EPG parser, which parses EPG information that comes with the satellite stream. The scanning happens twice a day during idle time and as such does not influence playback or recording of satellite stream. The scanned EPG information is saved in xmltv format and should be imported in MCE using BladeRunner (Pro) or QuickGuide.

Enable EPG scanning in DVBSBridge

To enable EPG scanning in DVBSBridge start DVBSBridge Configuration Utility, go to *General* tab and set *EPGParsingEnabled* value to *true*. Press Ok to apply the changes and close the Configuration Utility.

Select channels for EPG scanning

Launch ProgDVB to select the channels where EPG should be scanned. Launch DVBSBridge channel mappings dialog (Menu *Settings -> Modules Overview*, select MCE Bridge from the list and press *Properties* button). Select the channels in the *Frequencies* pane, which you would like to be scanned for EPG information (you can select more then one channel at a time by pressing and holding Shift or Control key) and press “Add to EPG scan list” button. Likewise “Remove from EPG scan list” button should be used to remove channels from the EPG scanning list.
Save the changes by pressing Ok button. It will also close the dialog.
Close ProgDVB.

Make changes effective

To make the changes effective restart DVBSBridge service. To do this start DVBSBridge Configuration Utility. Select *Service* tab. Press *Stop Service* button and wait until service is stopped. Then press *Start Service* button and wait until service starts.

Import EPG data in MCE

DVBSBridge saves scanned EPG information to *EPG* directory of DVBSBridge installation folder. There are two files created:

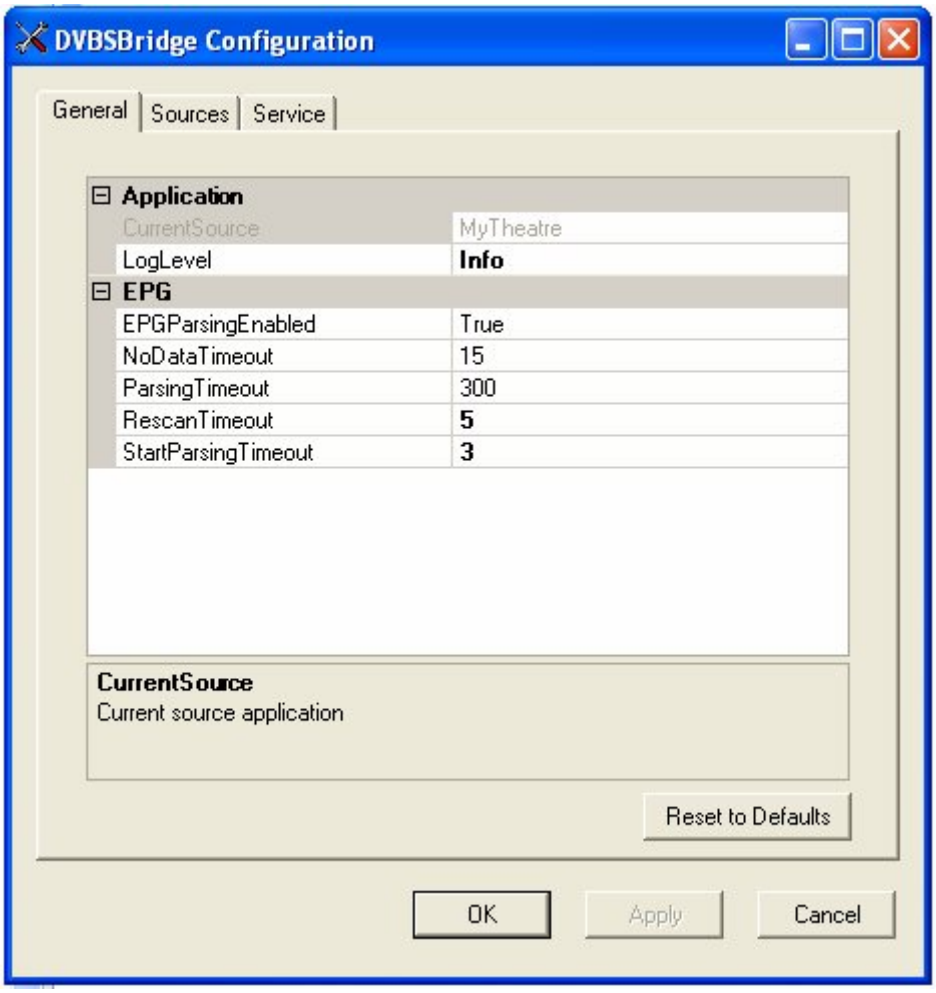
- DVBSBridgeEPGInfo.xml – this file contains combined EPG information (for all scanned channels) in xmltv format.
- ChannelInfo.xml – this file contains information about scanned channels themselves and is required for proper QuickGuide or BladeRunner (Pro) integration.

DVBSBridge is “plug-n-play” compatible with QuickGuide and BladeRunner (Pro). These applications can directly import the files, created by DVBSBridge to populate MCE Guide information.

DVBSBridge Configuration utility – detailed overview

Configuration of DVBSBridge for ProgDVB is done using DVBSBridge Configuration utility (DVBSBridge.Config.exe).
This utility has the following tabs:

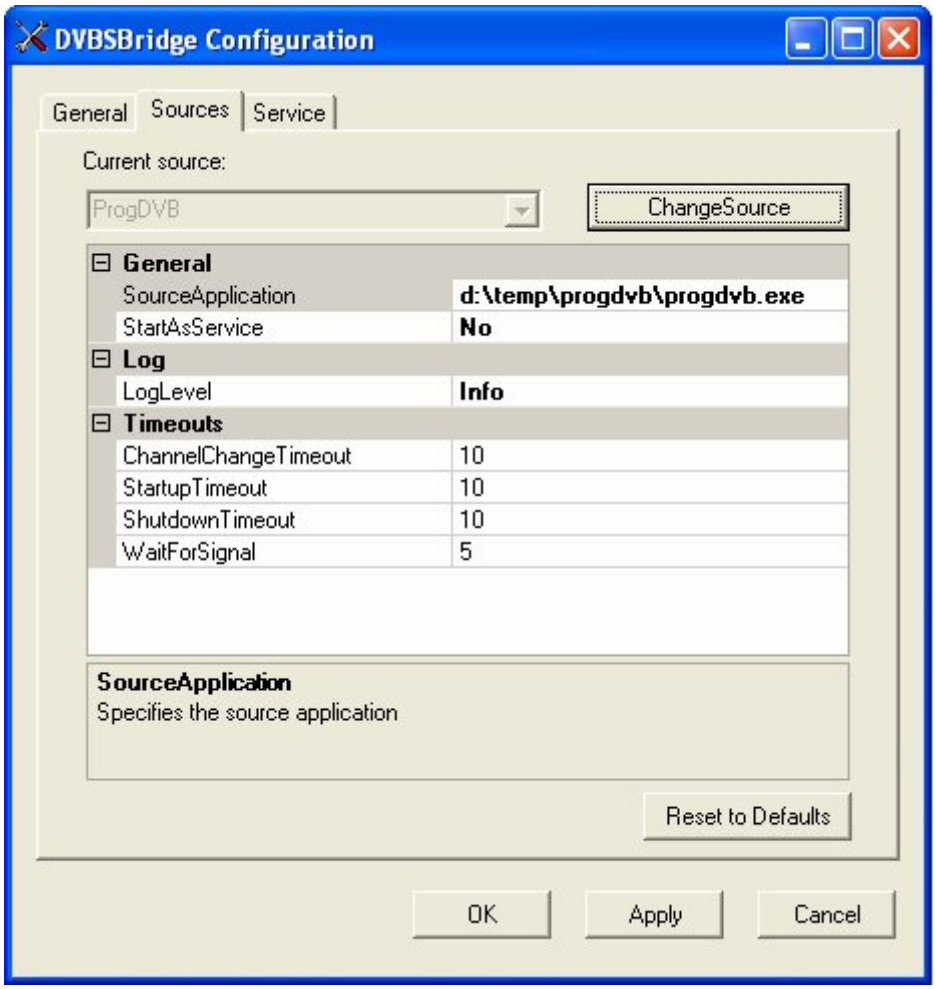
General tab



The General tab configures general DVBSBridge service properties. It has the following controls on it:

- *Current Source* – shows the currently used source program. Read-only. Can only be changed from *Sources* tab.
- *Log level* – allows to change the log level of the service itself (please note that plugins for different sources have their own log level setting). Values: NoLogging, ErrorsAndWarnings, Info, ExtendedInfo. The log messages are written to mbsrvlog.log file in the root of DVBSBridge installation folder.
- *EPGParsingEnabled* – defines whether EPG data will be parsed out of incoming satellite stream
- *NoDataTimeout* – defines how long DVBSBridge EPG parser should wait on any given channel until the first EIT packet arrives
- *ParsingTimeout* – defines how long the DVBSBridge EPG parser should wait until EPG info parsing, once started, is completed
- *RescanTimeout* – defines the period between two successive EPG data scannings. By default EPG information is scanned two times a day.
- *StartParsingTimeout* – defines the timeout to start EPG data scanning after playback or recording has been stopped

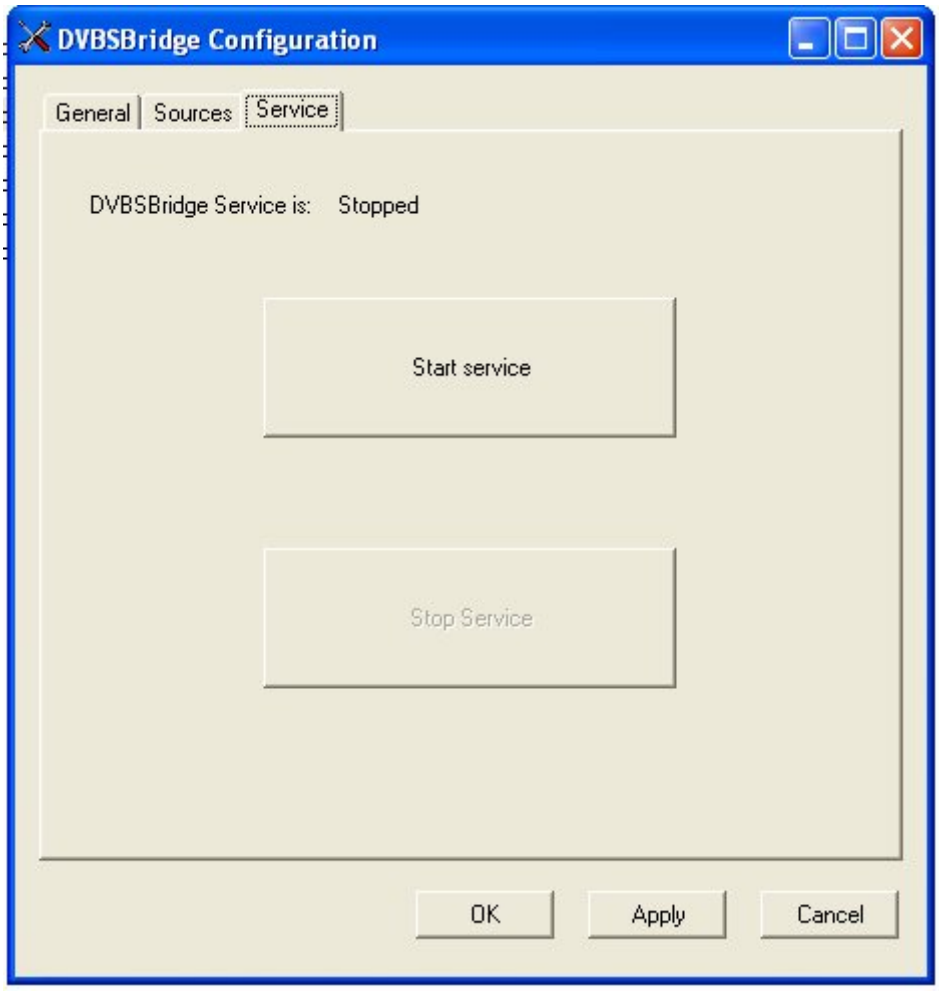
Sources tab



- *SourceApplication*. This configuration item selects the fully qualified path to ProgDVB executable – ProgDVB.exe. This configuration item must be set correctly independently of whether you intend to run ProgDVB as a service or not (see next configuration item).
- *StartAsService*. This configuration item defines whether ProgDVB will be started and stopped automatically by DVBSBridge service.
    - *Running as a system service.* In general it is preferred that user sets this item to "Yes" as it will allow standby functionality and scheduled recordings will work without having the need for user to logon. However, make sure that ProgDVB does not produce any dialog boxes during its operations as it will be running under System account and will not be visible to the end user.
    - *Running ProgDVB as a normal program.* In case when ProgDVB is configured not to run under the service you may add ProgDVB to the start-up folder for automatic start-up. Make sure that you add /NoGraph switch when starting ProgDVB to use with DVBSBridge. *For ProgDVB to operate properly please make sure that you have UAC switched off*!
- *LogLevel*. This configuration item allows to change the log level of the DVBSBridge plugin for ProgDVB. Values: NoLogging, ErrorsAndWarnings, Info, ExtendedInfo. The log messages are written to pdmcebridge.log file in the DVBSBridge\Sources\ProgDVB folder.

- *ChannelChangeTimeout*. This configuration item defines the maximum time that DVBSBridge waits for “channel changed” acknowledgement from ProgDVB after it has requested channel change.
- *StartupTimeout*. This configuration item defines how long DVBSBridge service waits for ProgDVB to become operational after its start-up (only applicable when ProgDVB is running as a service).
- *ShutdownTimeout*, This configuration item defines how long DVBSBridge service waits for ProgDVB to shutdown after it has received a request to do so (only applicable when ProgDVB is running as a service).
- *WaitForSignal*. This configuration item defines how long DVBSBridge waits for the streaming data to appear after successful channel change. **Users with motorized satellite dish should set this value to 10-15 seconds, depending on the speed of the motor.**

Service tab

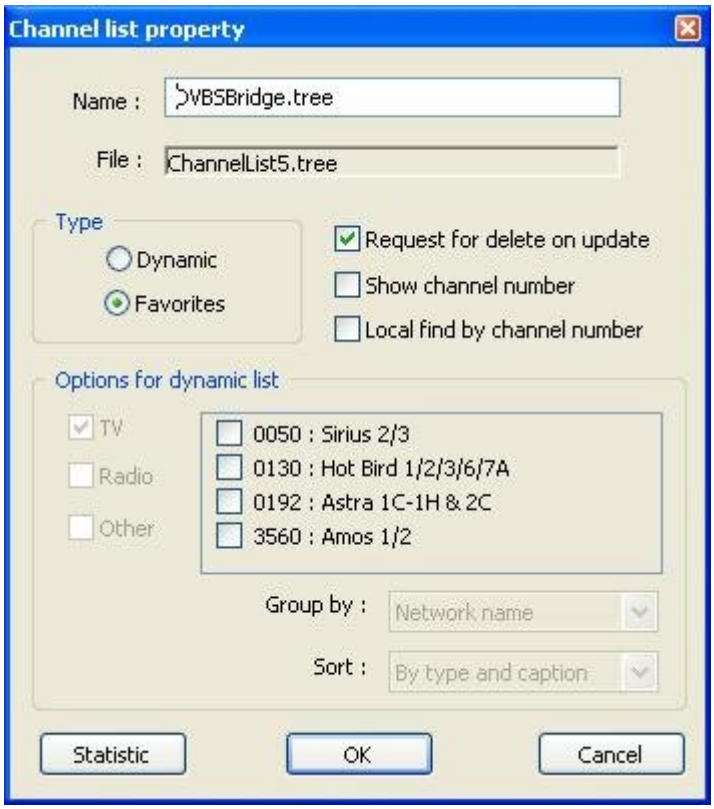


This tab allows to check the status of the DVBSBridge service and to start/stop it. “Start Service” and “Stop Service” buttons should be used to start or stop the service respectively.

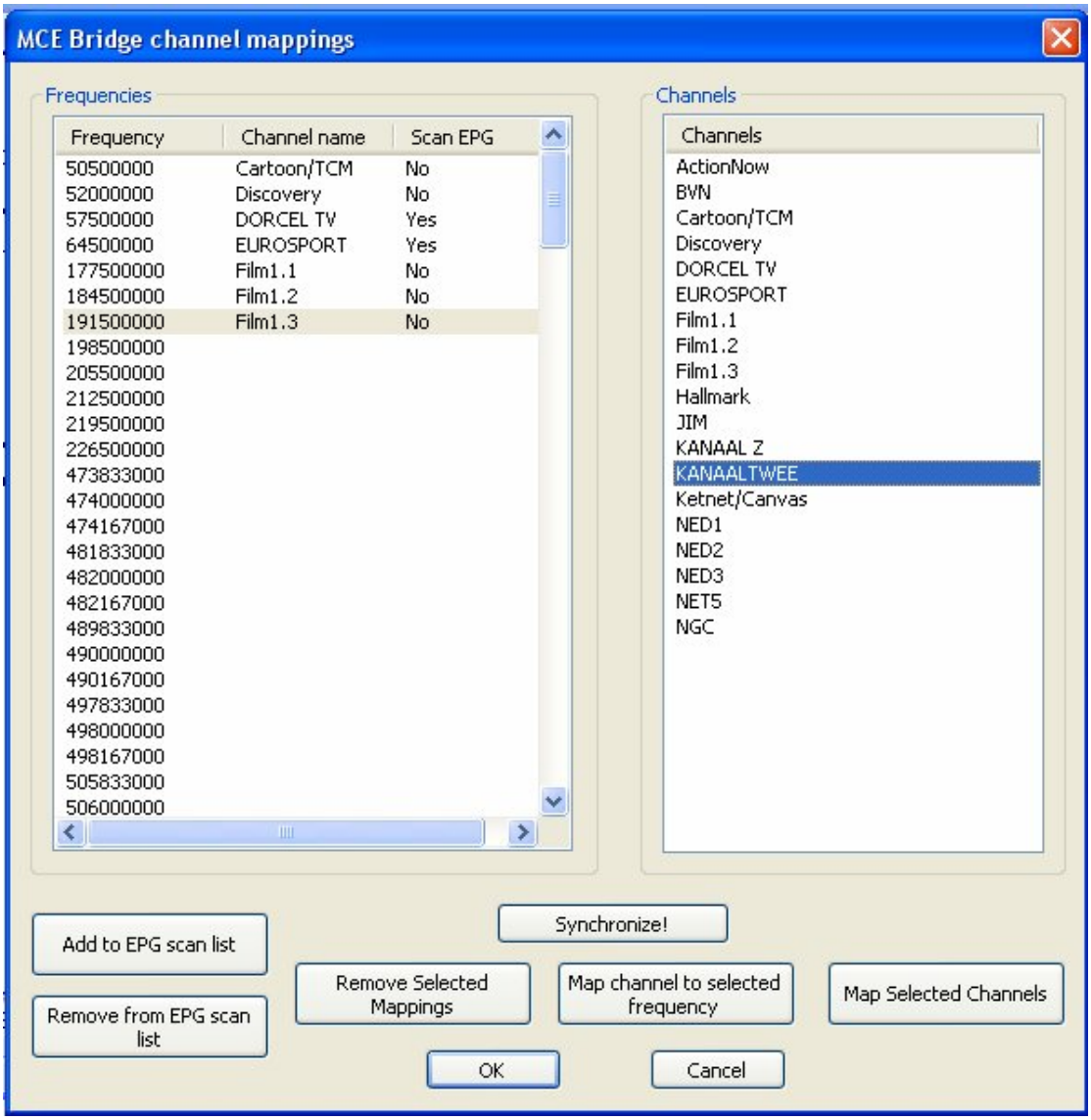
Channel mappings configuration – detailed overview

DVBSBridge module can only map ProgDVB channels, which are added to the DVBSBridge.tree favorites channel list. To create this channel list select *New* menu item from *Channel List* menu of ProgDVB. In the dialog that comes, type

DVBSBridge.tree for the channel list name and select Favorites as a type of the channel list:



After you click Ok, ProgDVB creates new DVBSBridge.tree channel list. Then copy to this list channels, which you would like to make available in MCE.
To actually map the channels from DVBSBridge.tree channel list to DVB-T frequencies, go to the ProgDVB modules overview (Menu *Settings -> Modules Overview*), select MCE Bridge from the list and press *Properties* button. The main window of the channel editor dialog appears:



The list on the left shows the DVB-T frequencies, available for mapping and ProgDVB channels, already mapped to them.
The list on the right shows channels from DVBSBridge.tree channel list of ProgDVB.
There are several operations available:

- *Synchronize!* This operation does the following: it takes all of the channels from DVBSBridge.tree channel list and checks whether some of the already mapped channels are not present in this list anymore. If it is the case, it removes the channel from DVB-T frequency mapping. Then it walks through the list again and checks whether there are new channels (e.g. without mappings yet). If they exist, it adds them to the DVB-T frequency mappings. The frequency mappings for all other channels are preserved.
  In principle, this operation is the only thing you have to do to synchronize your ProgDVB favorite channels and MCE channels. However, in some cases you might need more advanced operations to manipulate frequency mappings. These operations are listed below.
- *Remove Selected Mappings.* This operation clears the DVB-T frequency mappings for the frequencies, selected in the left pane. (Please note that you can selected

more then frequency by holding Ctrl or Shift key while pressing the left mouse button).

- *Map Selected Channels.* This operation adds selected ProgDVB favorite channels to the DVB-T frequency mappings. Channel editor decides on itself which frequencies to use. (Please note that you can selected more then frequency by holding Ctrl or Shift key while pressing the left mouse button).
- *Map channels to the selected frequency.* This operation allows you to map a particular channel to the selected DVB-T frequency. For this operation you have to have exactly one channel and one frequency selected in both panes.

DVBSBridge Frequency Detector

Description

This small utility detects the DVB-T frequencies as used by MCE during "Scan for services" operation.
It should be used when "Scan for Services" operation in MCE finds none of the mapped channels or not all mapped channels. The reason for this problem may be in the fact that MCE scans not all DVB-T frequencies depending on selected Region.
The utility itself is located in <<DVBSBridge installation path>>\Sinks\BDA or accessible through Start menu. Before you start using the utility you have to have DVBSBridge service installed.

Usage

Close ProgDVB before using the utility. Stop DVBSBridge service if it is running.
Start MBFreqDetector.exe.
Start MCE and perform "Scan for services". During the scanning process DVBSBridge Frequency Detector will show a number of detected DVB-T frequencies.
When MCE finishes scanning process, stop DVBSBridge Frequency Detector by pressing "Save and close" button. This will save all detected frequencies to channels.ini file, located next to MBFreqDetector.exe file.
Rename the channels.ini into mtmcebridge_channels.ini or pdmcebridge_channels.ini depending on the source program that you are using and put it into correspondent Source directory, overwriting the original ini file.
Perform the channel mapping of your source program as usual, start DVBSBridge service and perform "Scan for services" in MCE again.
Now MCE should find all mapped channels.