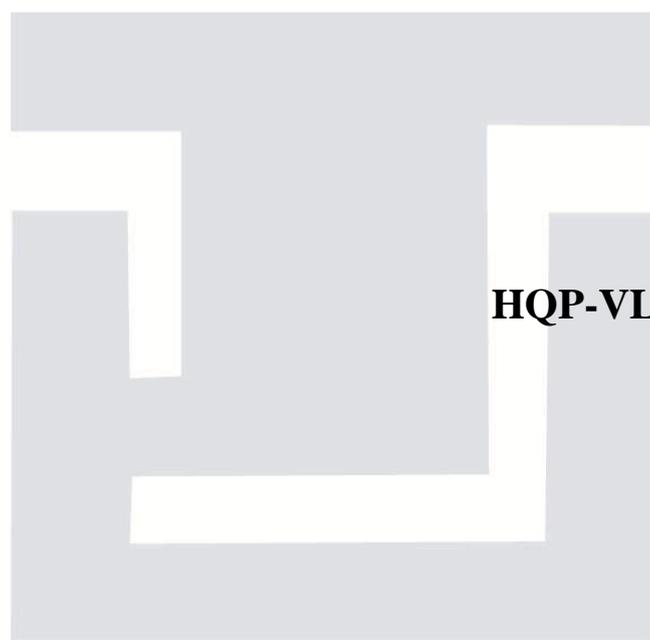


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**HQP-VLib Video Library
User Manual**

R1.4

2012 September

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Introduction of HQP-VLib Program Library System

1. Preface

HQP-VLib is an auto-import resident program, which only requires setup of data paths to automatically import media files to HQP-1000 broadcast scheduling system for selections of movie programs in a later time. VLib uses SQL or Access database to manage metadata of media file clips. The real media files are stored in local or remote storage device and its backup disk array (optional). Two identical video library servers and disk arrays can form a mutual supportive Redundant VLib System. Both video libraries can therefore remain consistent with each other.

1

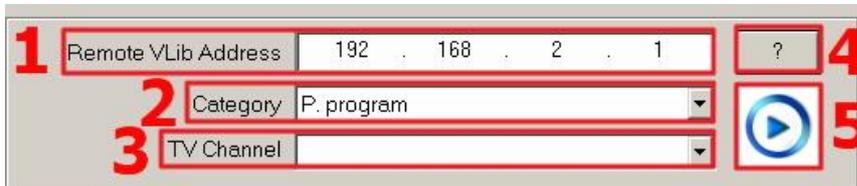
2. Introduction of Main Menu

HQP-VLib system comes out three different modes: Server, Client and Single modes. All modes have both auto-import and manual import functions. The different main menu are illustrated as the following graphs.

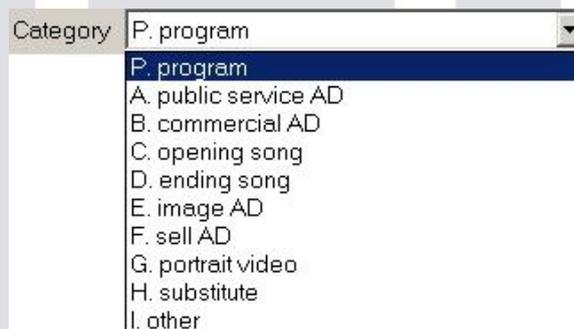


HQP-VLib provides auto-backup mechanism. The system on daily basis automatically creates the day's data directory which is named in western calendar year-month-day format, and copies the database to the day's directory.

2.1 Import Information



- [1] . The IP address of VLib server is set in setup window “”.
- [2] . Category of the currently importing media file will be displayed here. Folders will be automatically created to import source save path by ten categories. Users only need to categorize media files before importing, and the imported files will be automatically sorted.



- [3] . Under Server / Client mode, users can select TV channels from the drop-down list, and media files will be automatically imported into the channel folder.



- [4] . Click “on-line help” button for more information.
- [5] . Click the button to start automatic importing. Once click “” button, icon will change to “”, and it will stop automatic importing after clicking the button again.

2.3 Others



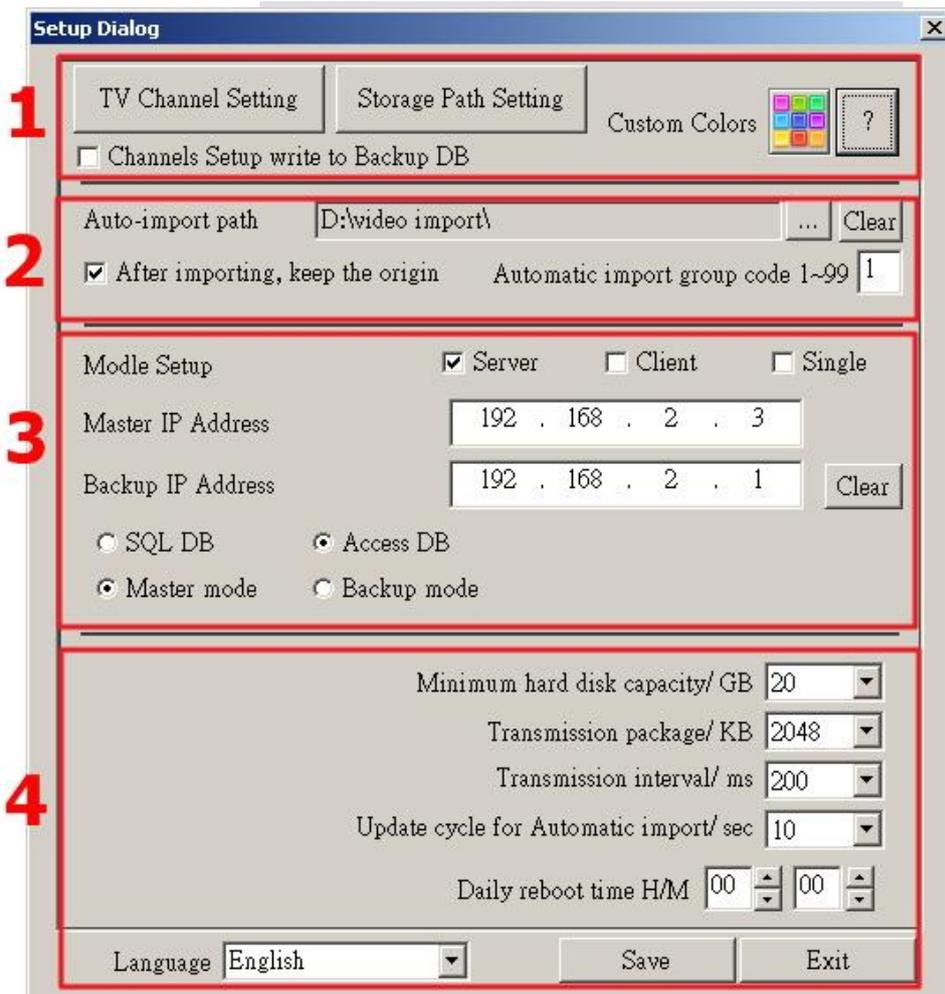
- [1] . Click the button to manually import media file and edit metadata.
- [2] . Users are allowed to add metadata before importing the real media file.
- [3] . In Server or Single mode, users can click the button (the upper icon) to inquire/maintain media files and metadata. In Client mode, the icon will be shown as the lower one, and users are only allowed to inquire media files and metadata (without the right to edit or modify).
- [4] . Click the button to open the setup window.
- [5] . Click to exist.

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3. Setup Window

In the main menu, click the setup button “” to open VLib Setup Dialog. Users are allowed to add new channel names、specify import main path、assign backup hard disks among other setups. For VLib demo version, users can switch among Server、Client and Single modes, and VLib will decide which functions to enable accordingly. The system setup window is as the following graph. For the commercial version, the window displays fixed functions accessible with the modes of your purchase.

5



- [1] . TV Channel (only in Server/Client mode), Storage Path, and Color setup section
- [2] . Import Path and Group Code setup section
- [3] . VLib Mode, IP address and Data Base setup section
- [4] . Miscellaneous Setups and Language setup section

3.1 TV Channel, Storage Path, and Color Setup



- [1] . : In “Server” mode, click this button to open channel setup window that allows you to add new channels; in “Client” mode, you can only view the window contents but not modify; in “Single” mode, this setup is all disabled.
- [2] . : In “Server” or “Single” mode, click this button to open media file store path setup window to add new store paths. In “Client” mode, you can only view the window contents, but not modify.
- [3] . Tick to write the same TV Channel Setting of Master VLib to Backup.
- [4] . Click  to open color setup window, and users can define colors of the ten categories.

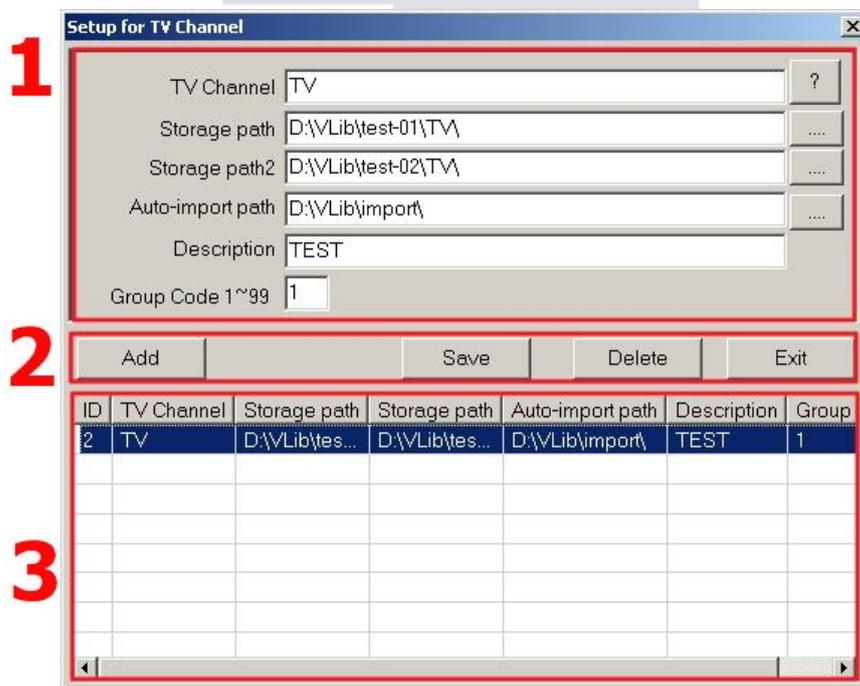


- [5] . Click “on-line help” button for more information.

3.1.1 TV Channel Setting

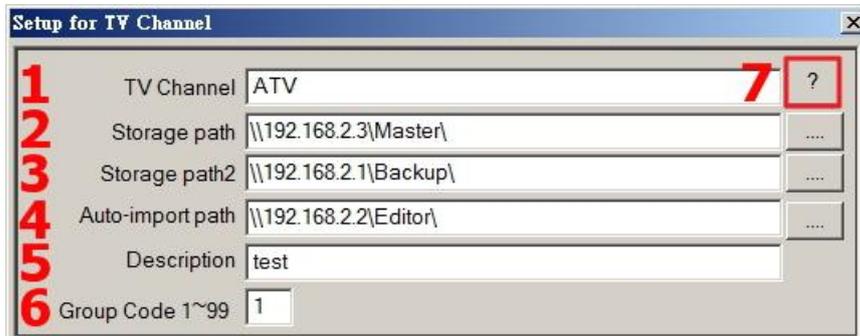
HQP-VLib provides channel setup functions that allow users to specify channel names, set up media file store path and assign media file auto-import path, and have the directories in shared mode under desired access controls.

In “Server” mode, all the channel setups are available; in “Client” mode, only window viewing is allowed, no modification; in “Single” mode, the setup is disabled. The window shows as following:



- [1] . Channel setting area
- [2] . Channel editing area
- [3] . Channel list table

3.1.1.1 Channel Info



- [1] . Channel name input box.
- [2] . VLib system will automatically generate directory of the channel under the designate storage path, storing imported media files.
- [3] . Users can direct a folder for backup storage.
- Notice (!): In Single or Client mode, the storage path should not locate in local computer.
- [4] . Channel path of automatic import source can be designated here.
- [5] . Users can input channel description and remark here.
- [6] . Users can classify channels into groups by designating group code ranging from 1~99. "0" indicates channel group is not specified.

Notice (!): In Client mode, users can only modify "Auto-import source" in condition that group code is identical to auto-import group code preset in the system.

- [7] . Click "on-line help" button for more information.

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3.1.1.2 Function Buttons



- [1] . After completion of the Channel Info inputs, click the “Add” button to add the info data to the following Channel List Table.
- [2] . Double-click channel item you want to modify from the list, and click the button to save the modification.
- [3] . To delete a channel item in Channel List Table, highlight it and then click the “Delete” button.
- [4] . Click the “Exit” button to exit and close the Channel Setup Window.

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3.1.1.3 Channel List Table

1	2	3	4	5	6	7
ID	TV Channel	Storage path	Storage path	Auto-import path	Description	Group Code
2	TV	D:\VLib\test-01...	D:\VLib\test-02...	D:\VLib\import\	TEST	1

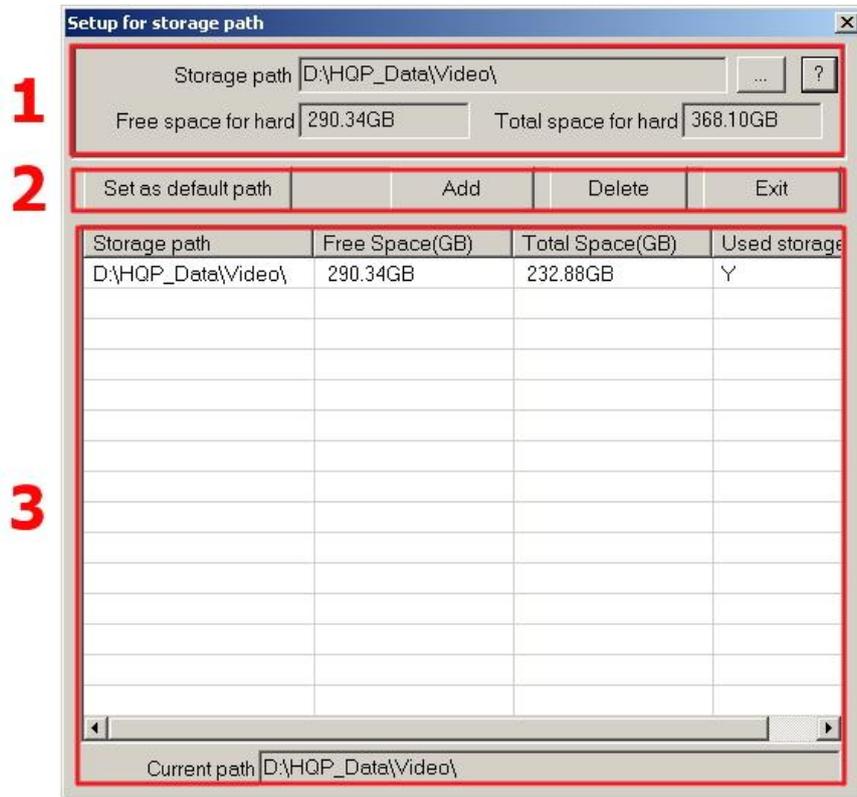
Channels added and modified are displayed in Channel List Table. The “ID” column contains system serial numbers that are not to be modified.

- [1] . ID name
- [2] . TV Channel
- [3] . Storage path
- [4] . Backup storage path
- [5] . Auto-import path
- [6] . Description
- [7] . Group Code

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3.1.2 Storage Path Setting

In “Server” or “Single” mode, VLib allows users to add media file store paths and assign its default path. The user interface is as following:



- [1] . Path Info
- [2] . Function button
- [3] . Stored Path List Table

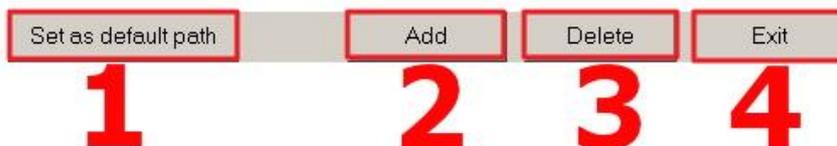


3.1.2.1 Path Info



- [1] . The setting window allows users to designate storage path only from the local disk drive. If you designate storage directory under E: drive, storage path will be automatically set as “E:\VideoE\”. Except default storage path is set as “D:\HQP_Data\Video\”.
- [2] . Free space of the currently using hard disk drive
- [3] . Total space of hard disk drive
- [4] . Click “on-line help” for more information

3.1.2.2 Function Button



- [1] . Select any storage path from the list, and click the button to set the one as the default storage path. The system reserved default path is “D:\HQP_Data\Video”.
- [2] . After editing storage path, click the button to create a new storage path to the list.
- [3] . Select/highlight a designate storage path to delete from the list, and then click the button to remove it (It won’t remove real files, only the database record).
- [4] . Exit and close storage path setting window

3.1.2.3 Stored Path List Table

Storage path	Free Space(GB)	Total Space(GB)	Used storage
D:\HQP_Data\Video\	290.34GB	232.88GB	Y
Current path D:\HQP_Data\Video\			

Store Path List Table displays the outcome of adding and deleting store paths. The “Current Store Path” box on the low-left corner of the window is dynamically updated by the system during the setup process. If the path in “Current Store Path” is deleted, the system will automatically switch to the default path as the current store path. All storage path data will be displayed on the list, and “Y” shown on “Used storage” field indicates the currently using storage.



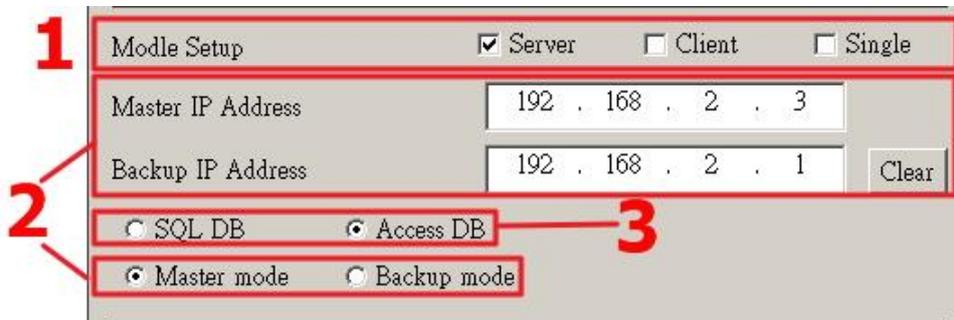
3.2 Import Path and Group Code Setup



- [1] . If source files are in external hard drive, you can designate the hard drive as import path and then click the “” button to start importing.
- [2] . Tick the box, and the original file will be moved to the “ImportOK” directory which is automatically created under the given source path after importing; otherwise, the original file will be automatically removed
- [3] . Set auto-import group code in this box, ranged from 1 to 99. Set to “0” indicating no group code is given and media files are stored in all channels.

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3.3 Mode Selection & IP address Setup



- [1] . VLib mode selection area
- [2] . IP address setting of Master or Backup computer
- [3] . Database format setting area

3.3.1 VLib Mode

VLib will be set as Server, Client, or Single mode according to users' purchase. Users are allowed to change mode of VLib in Demo version.



- [1] . VLib "Server" which stores video files.
- [2] . VLib "Client" which imports video files.
- [3] . VLib "Single" which can both stores and imports video files for one channel.

3.3.2 IP Address setting

Master IP Address	1	192 . 168 . 2 . 3	3
Backup IP Address	2	192 . 168 . 2 . 1	Clear

Master mode Backup mode **4**

- [1] . Master IP Address: In Server or Single mode, please enter IP address of local computer; in Client mode, please enter IP address of remote VLib server and make sure that you have the permission to read and write HQP_Data directory in VLib server.
 - [2] . Backup IP Address: A Master VLib can be connected to a Backup VLib, so 2 sets of VLib can work simultaneously. Users need to enter correct IP address for Backup VLib.
- Notice (!): In Client mode, “127.0.0.1” which stands for the local IP Address should be typed in Master IP Address, and leave blank in Backup.
- [3] . Click “Clear” to clear the Backup IP Address box.
 - [4] . In Server or Single mode, users can select Master or Backup mode for local computer with Redundant VLib system.



3.3.3 Database format setting



- [1] . SQL DB: It is suggested to use SQL Server as VLib Database in a multi-channel system (Optional). Double-click it to open the dialog box.

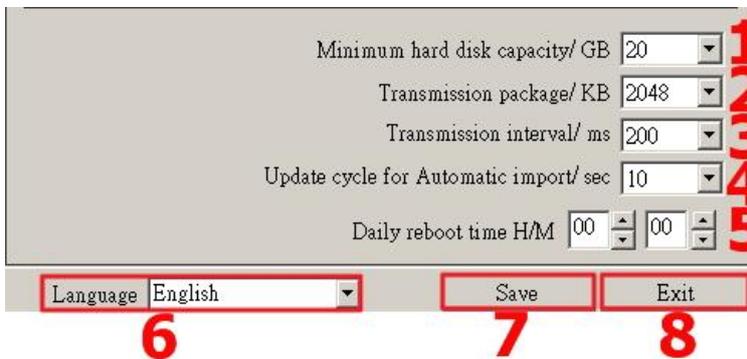


1. Tick the box to log in SQL server using local PC ID; otherwise, you need to log in with SQL ID.
2. When logging in with SQL ID, input Login ID and password here.
3. Save and exit the dialog.
4. Exit without saving.

- [2] . Access DB: It is the default Database format.

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3.4 Miscellaneous and Language Setup



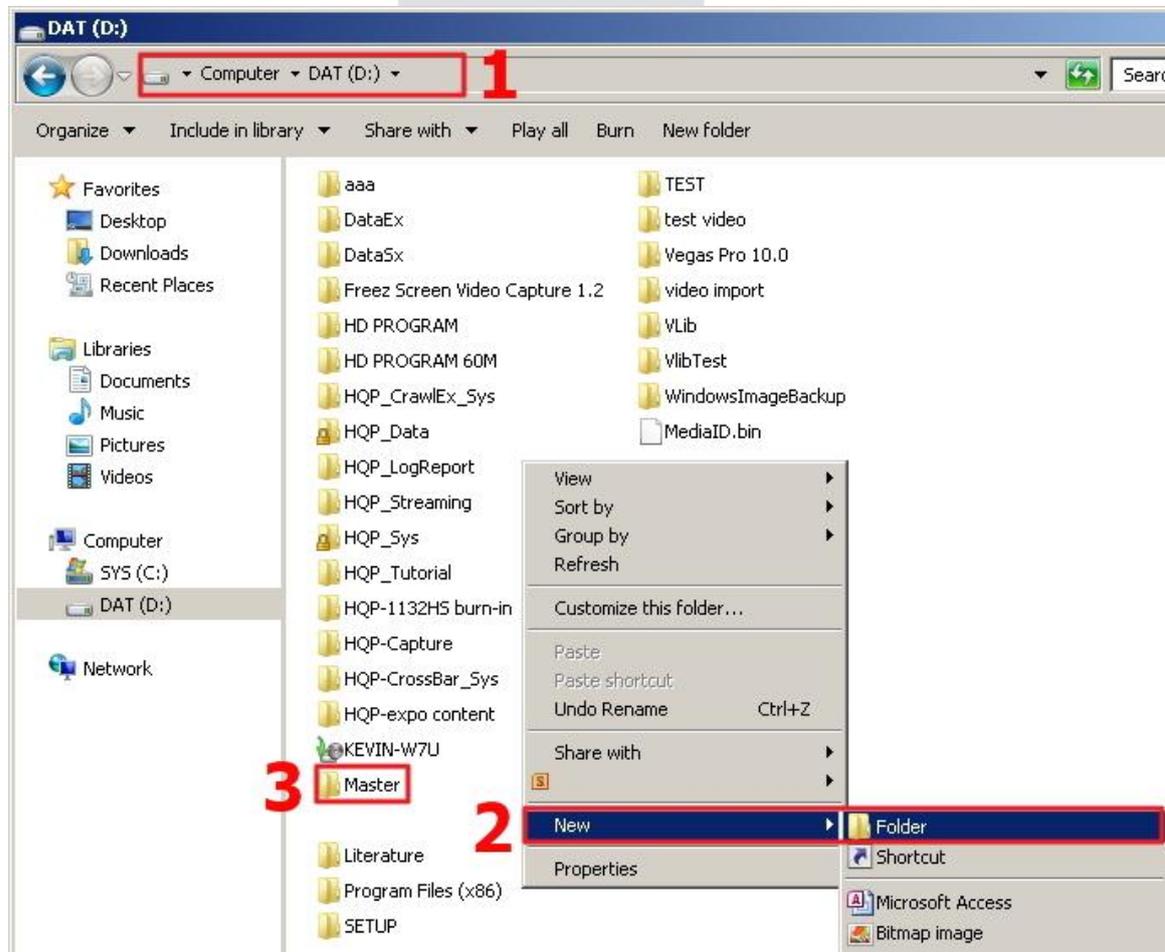
- [1] . When available space of hard disk is smaller than the capacity set here, a warning will pop up and ask you to delete some files to continue importing.
- [2] . Users can adjust packet size (KB) of each transmission from the drop-down list.
- [3] . Users can set transmission interval before the next packet should be sent.
- [4] . Users can set waiting time (Sec) before proceeding to the next automatic import when each file has been imported.
- [5] . Users can avoid the rush hour to set the daily restart time of VLib program.
- [6] . Select a language from the drop down list.
- [7] . Save changes and restart VLib program.
- [8] . Exit and close the window without saving.

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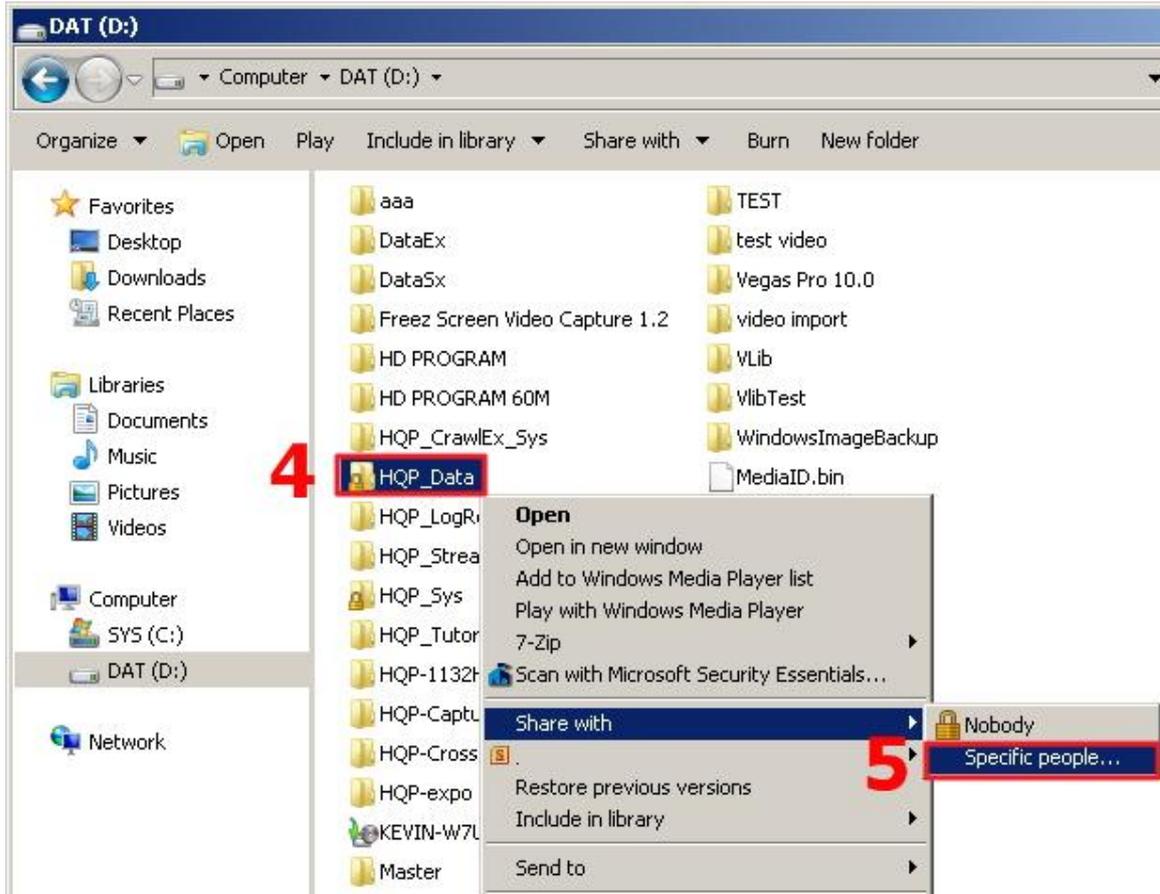
3.5 Redundant VLib System Setup (Optional)

Users can form a fault-tolerant VLib server system by setting one as Master video library and the other as Backup. The feature of consistency check and adjust function will always keep two VLibs' contents consistent with each other. Once Master or Backup VLib computer fails, users can easily recovery or replace with a new one.

3.5.1 Generate and Shear folders

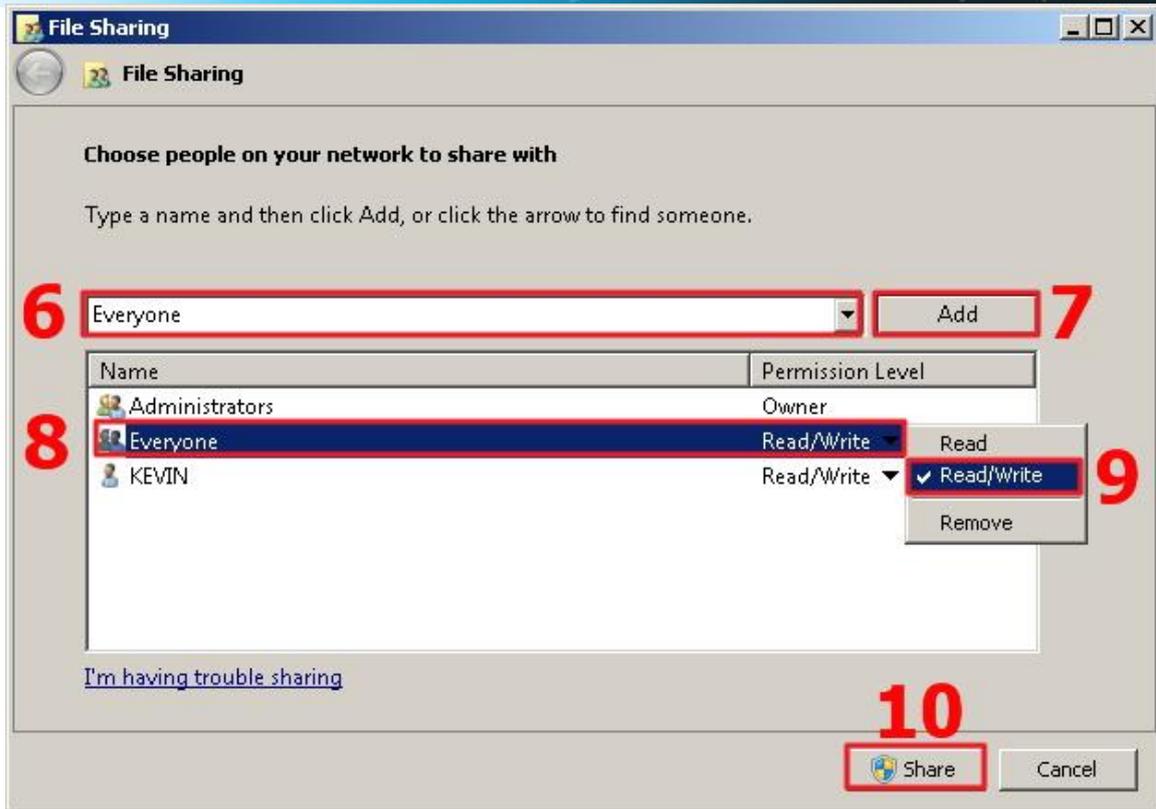


- [1] . Open the folder of DAT (D :) on Master VLib computer.
- [2] . Right click on blank area of the folder, and click “Folder” in the “New” tab.
- [3] . Enter designate name of Master storage folder. For instance, we type in “Master” here.

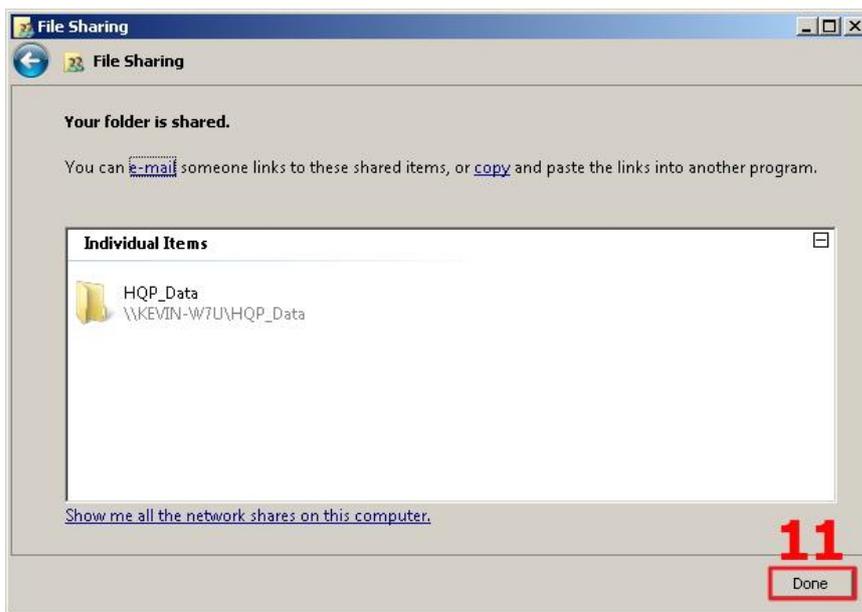


- [4] . Right click on the folder “HQP_Data”.
- [5] . Move the cursor to “Share with” and then click “Specific people”, and the “File Sharing” window will pop up.

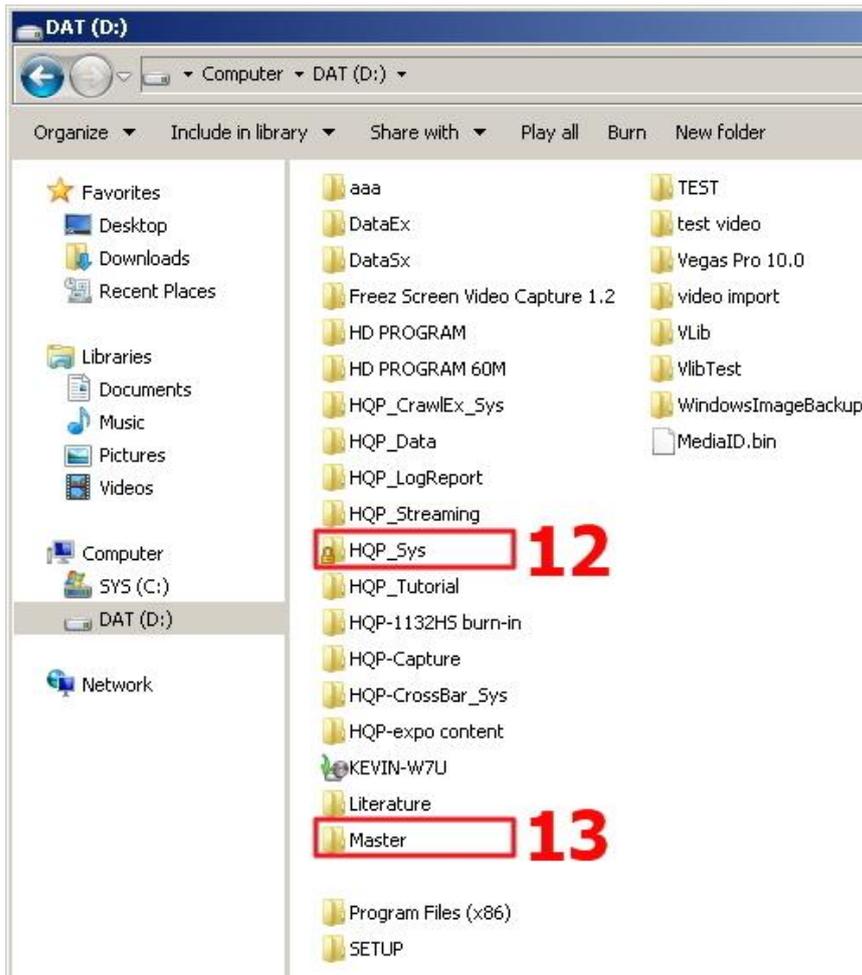
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- [6] . Select “Everyone” in the drop-down list.
- [7] . Click “Add”.
- [8] . Click the name we just added (Everyone).
- [9] . A small window will pop up, and select “Read/Write”.
- [10] . Click “Share” to confirm changes.



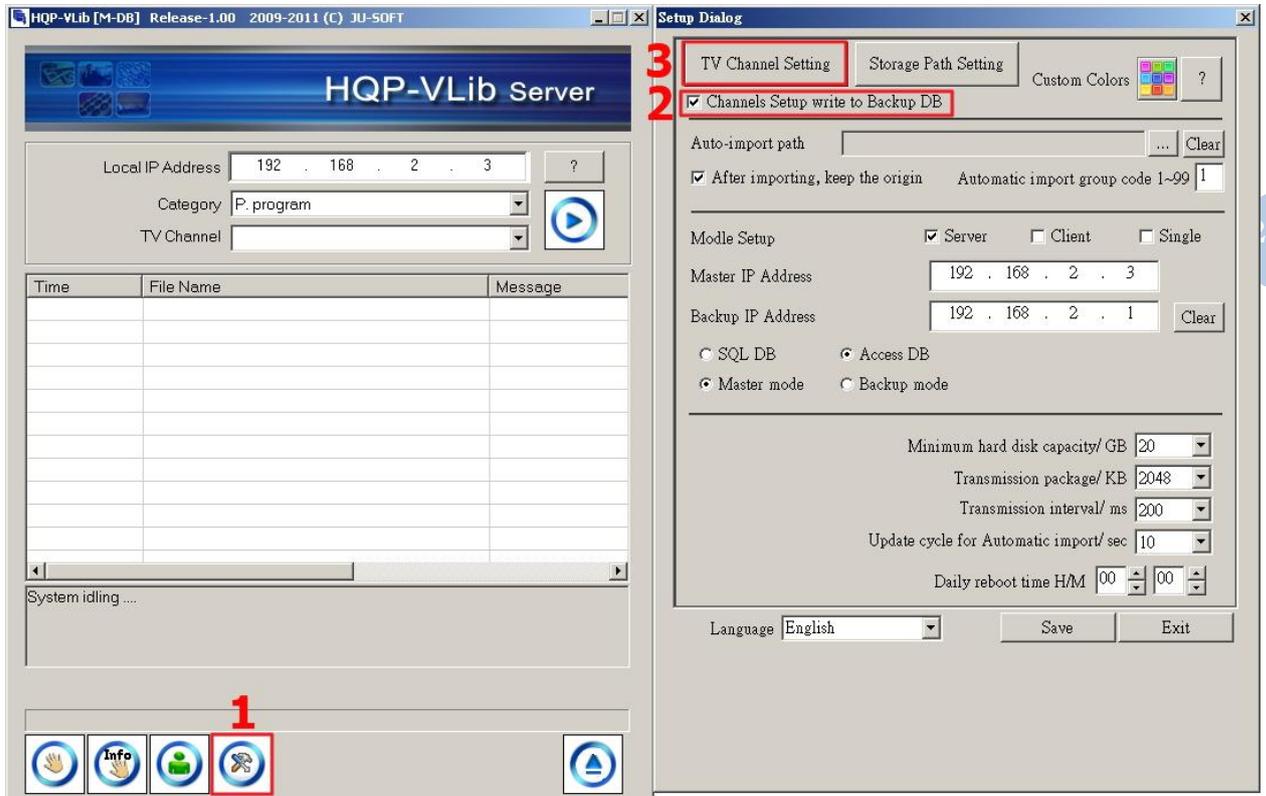
- [11] . Click “Done” in the pop up window to confirm.



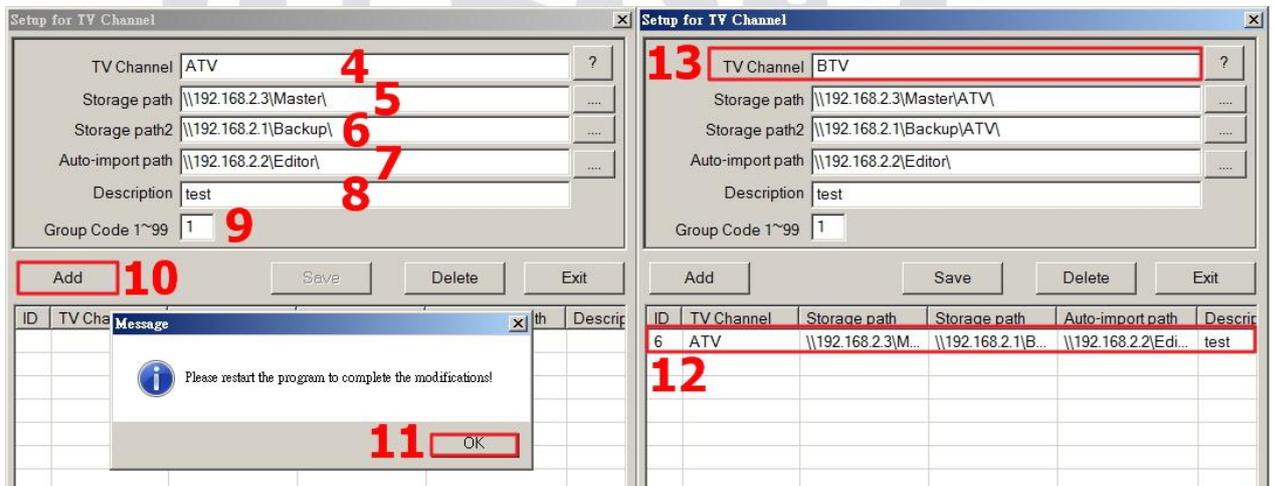
- [12] . Redo step 4 through step 11 on “HQP_Sys”.
- [13] . Redo step 4 through step 11 on “Master”.
- [14] . Redo step 1 through step 13 on Backup VLib computer, but change Backup storage folder name to “Backup”.

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3.5.2 TV Channel Setting



- (1) . Open VLib and click on “Setup” button.
- (2) . Tick this box to write the same setting into a backup VLib computer.
- (3) . Click to open TV Channel Setup dialog.



- (4) . Enter TV Channel name.

[5] . Enter the storage path in IP address format, and the designate folder name we just created.

Notice: The format of the path is: “\\IP Address\Folder Name\”.

[6] . Enter Backup storage path following the IP address format, and the designate folder on Backup VLib computer.

[7] . Enter the auto-import path in IP address format, and the designate folder name.

[8] . Enter the description of this channel.

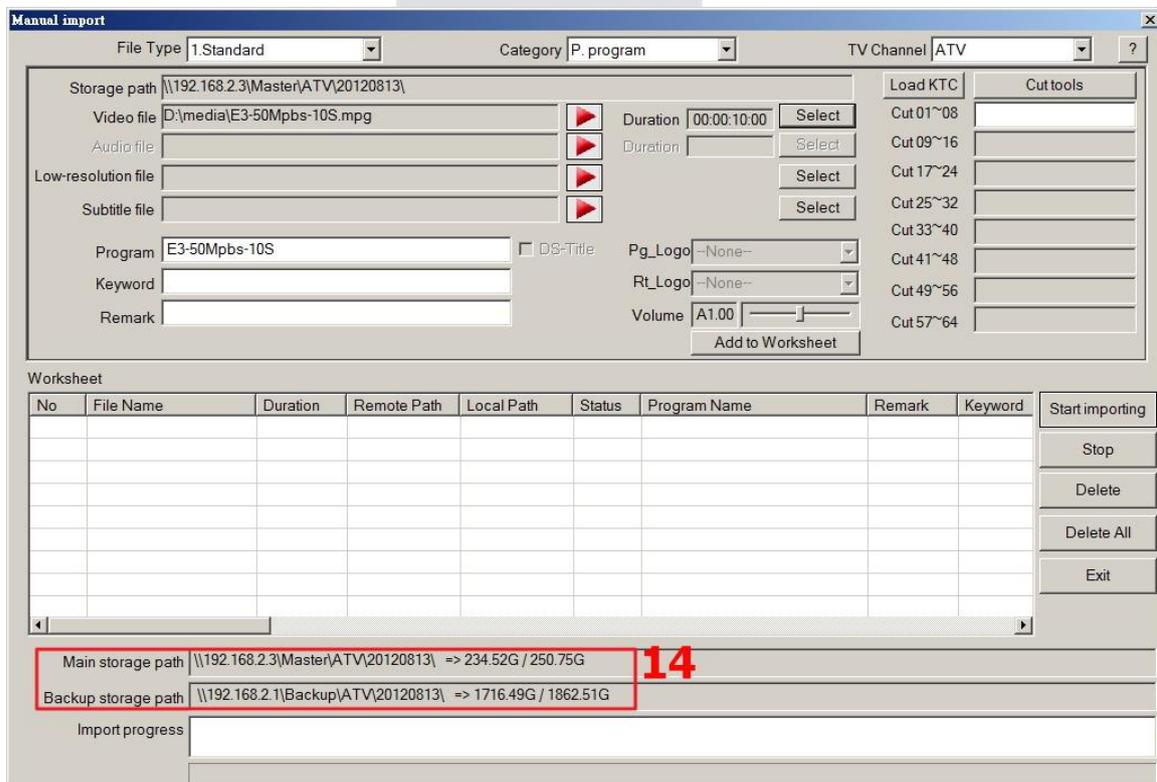
[9] . Choose the group code of this channel.

[10] . Click “Add” to create new TV Channel setting.

[11] . A message window will pop up, and click “OK” to confirm.

[12] . The TV Channel will display in the channel list table.

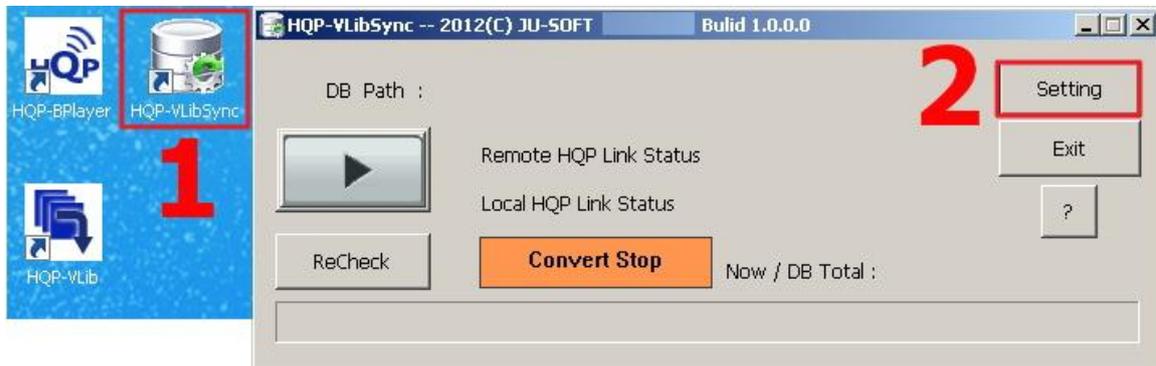
[13] . Users can follow the same steps above to add a new TV Channel.



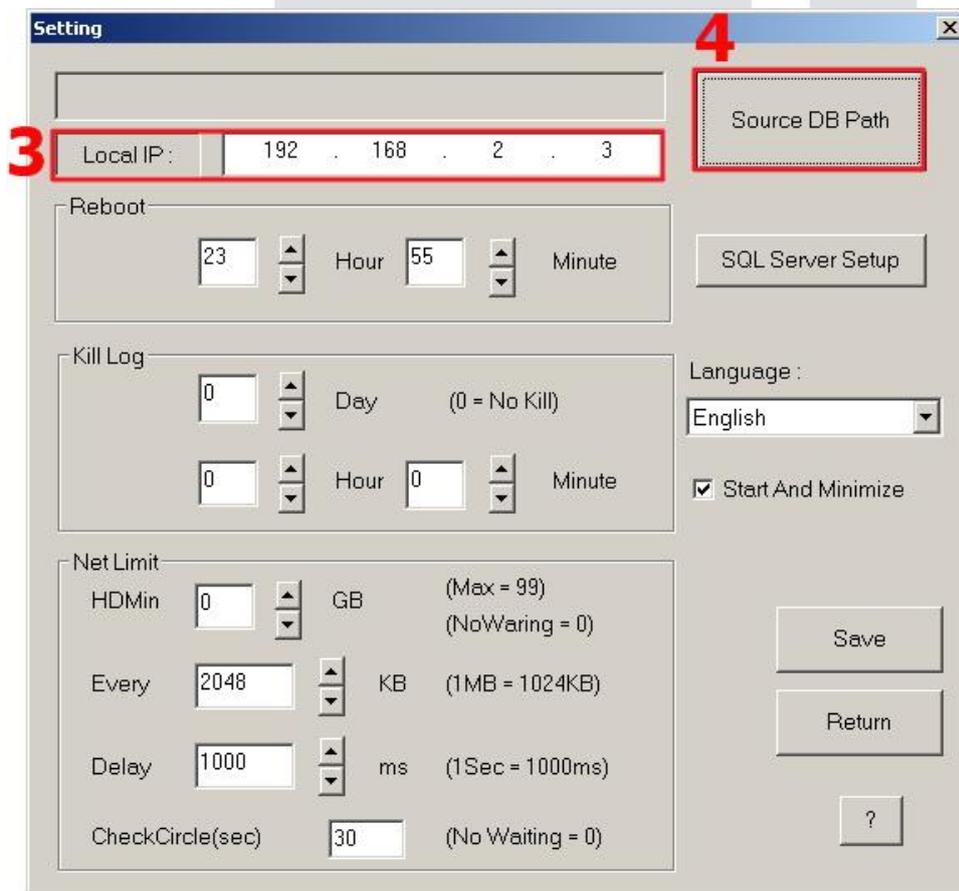
[14] . Master and Backup storage path will be display on Manual import window, and the import files will be synchronized to both VLib computer.

3.5.3 Database Recover (Redundant system only)

If one of the redundant VLib computers fails, users can synchronize the clip files by using HQP-VLib Sync.

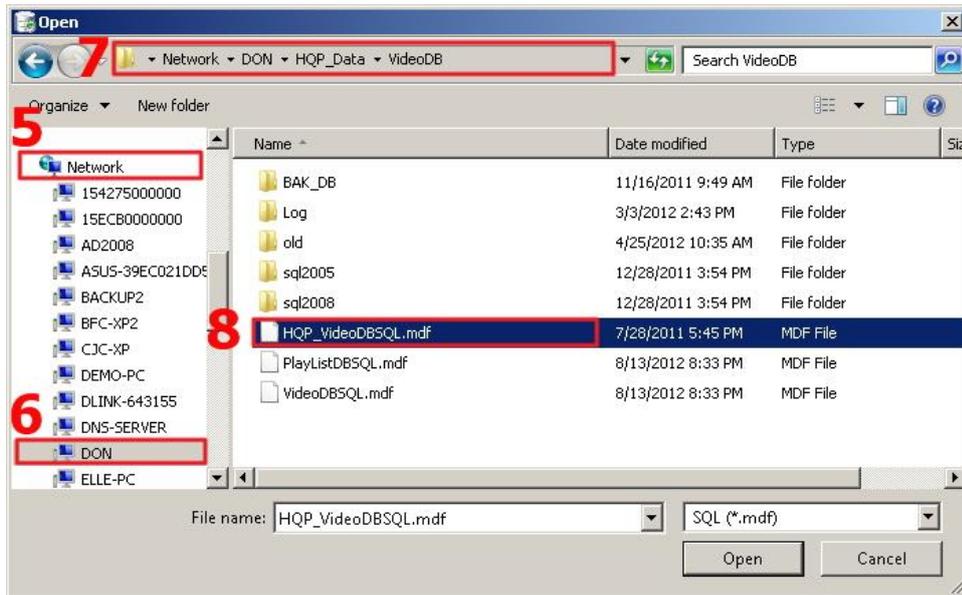


- [1] . Double click the icon of HQP-VLib Sync to open VLib Sync program.
- [2] . Click “Setting” to open setting dialog.



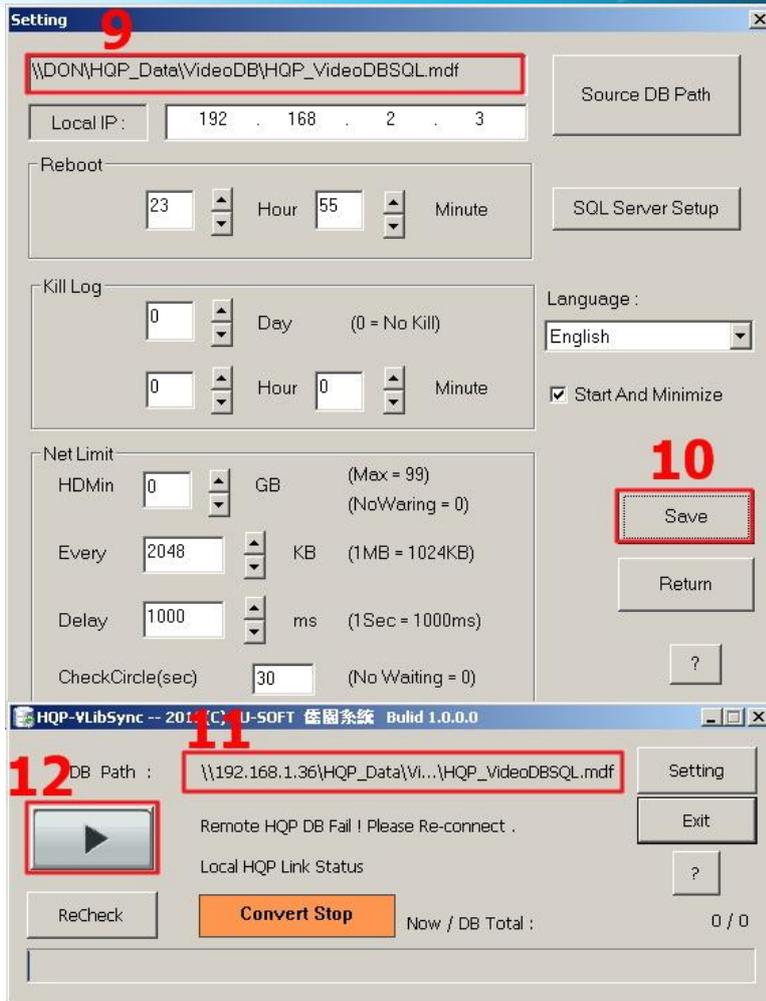
- [3] . Enter Local IP Address.

[4] . Click “Source DB Path” to open folder explorer.



- [5] . Unfold “Network”.
- [6] . Select the VLib computer which we want to synchronize.
- [7] . The Data Base data are placed under “\\D:\HQP_Data\VideoDB\”.
- [8] . Choose the Data Base data we want to synchronize.

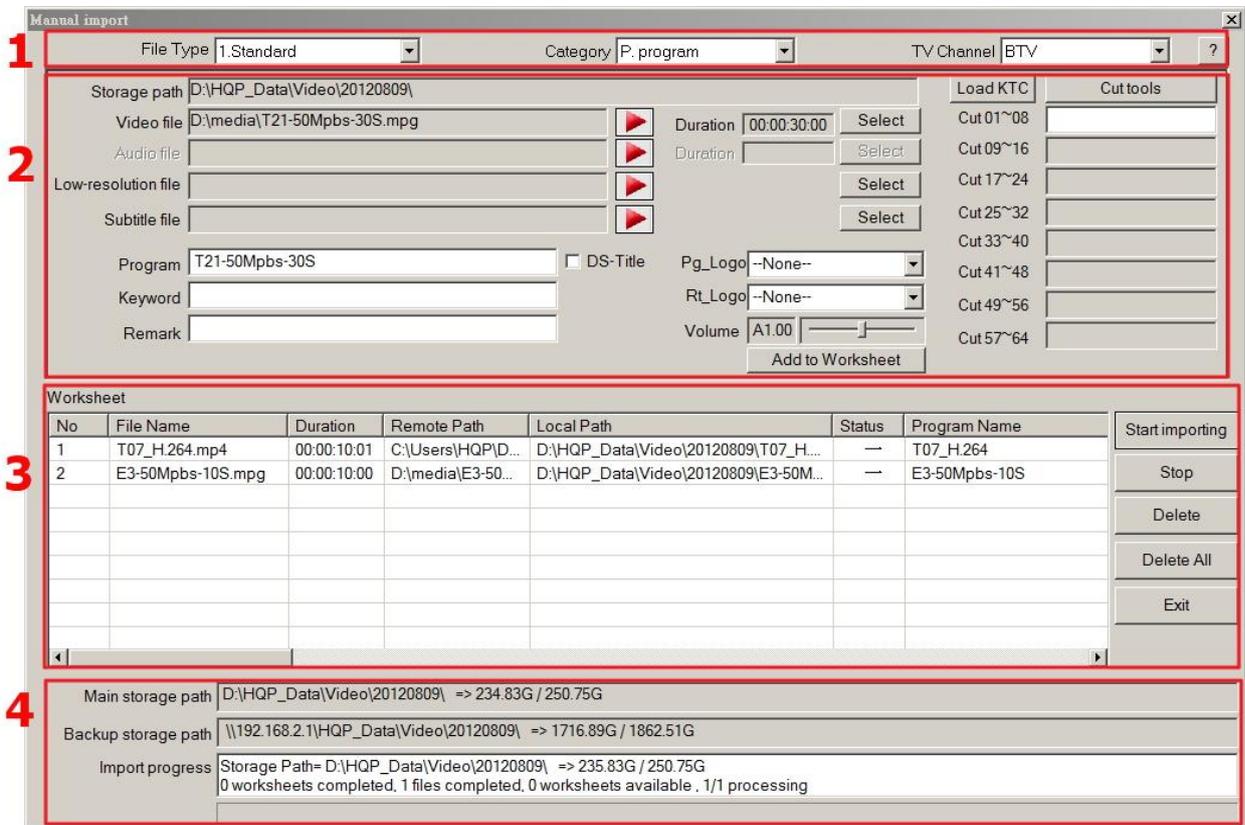
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- [9] . The file path will be displayed on setting window.
- [10] . Click “Save” to confirm and save changes.
- [11] . The Data Base data will be displayed in IP address format.
- [12] . Click to start to synchronize.

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4. Manual Import



The screenshot shows the 'Manual import' dialog box with four numbered callouts:

- 1**: Import Setting Area (File Type, Category, TV Channel)
- 2**: Import Editing Area (Storage path, Video file, Audio file, Low-resolution file, Subtitle file, Program, Keyword, Remark, Pg_Logo, Rt_Logo, Volume, Add to Worksheet)
- 3**: File Import Worksheet (Table with columns: No, File Name, Duration, Remote Path, Local Path, Status, Program Name, Start importing)
- 4**: File Transfer Status and Disk Space Displaying Area (Main storage path, Backup storage path, Import progress)

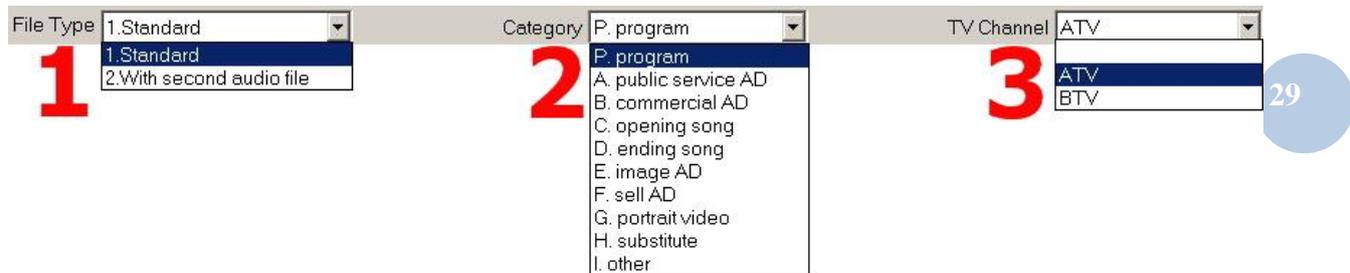
No	File Name	Duration	Remote Path	Local Path	Status	Program Name	Start importing
1	T07_H.264.mp4	00:00:10:01	C:\Users\HQP\D...	D:\HQP_Data\Video\20120809\T07_H...	---	T07_H.264	Stop
2	E3-50Mbps-10S.mpg	00:00:10:00	D:\media\E3-50...	D:\HQP_Data\Video\20120809\E3-50M...	---	E3-50Mbps-10S	Delete

- [1] . Import Setting Area
- [2] . Import Editing Area
- [3] . File Import Worksheet
- [4] . File Transfer Status and Disk Space Displaying Area



4.1 Import Setting Area

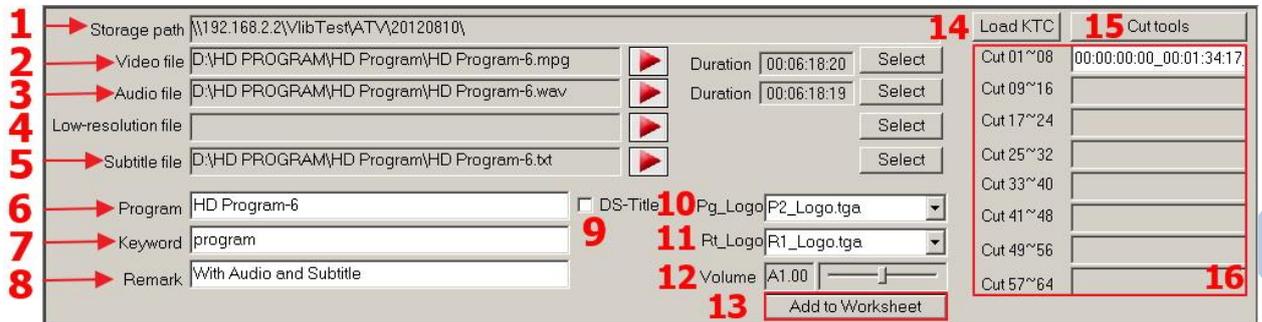
This section has three different parts, and they are 1.file types 、 2.program types 、 3.channel names, illustrated as follows.

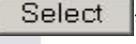


- [1] . Users can select file type from the drop down list. There are two types of File: (1) Standard media file (2) Media file attached with second language audio file.
- [2] . Select video category from the drop down list, which is classified into ten kinds.
- [3] . Select TV channel from the drop down list and the file will be imported into the storage of the channel managed accordingly.

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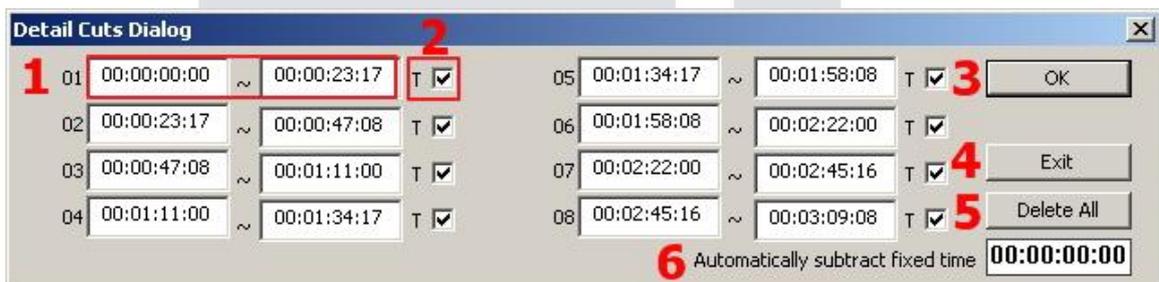
4.2 Import Editing Area



- [1] . Storage path of the imported file(s).
- [2] . Click the “  ” button to select video file you want to import. By clicking the “  ” button, you are able to preview and confirm video content.
- [3] . If it's a bilingual TV program, users can click the “  ” button to select and import second language audio *wav file. By clicking the “  ” button, you are able to preview and confirm audio content.
- [4] . Click the “  ” button to select low resolution video file you want to import. By clicking the “  ” button, you are able to preview and confirm file content.
- [5] . Click the “  ” button to select and import subtitle *txt file. By clicking the “  ” button, you are able to preview and confirm subtitle content.
- [6] . The default program name is the file name, which can be modified after importing and be used as program title.
- [7] . Users can input program excerpt in the box, which can be later used as keyword to search the file.
- [8] . Program remark can be input.
- [9] . Tick the DS-title to show program name while playing this clip. The setting of

duration, border, size, and color will follow the configuration of title in HQP-BPlayer.

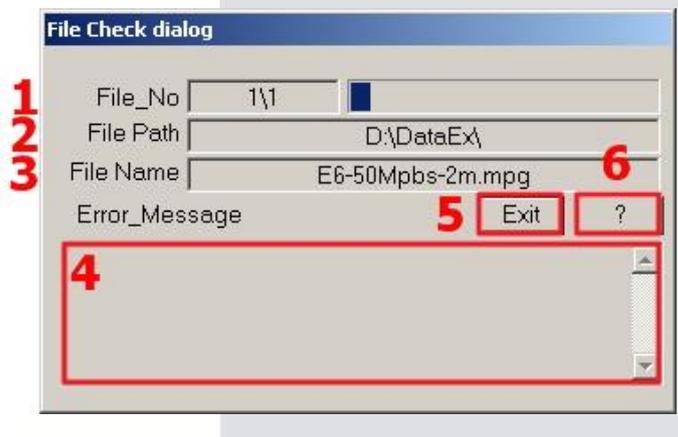
- [10] . Select program logo from the drop down list. To have more options, save logo patterns in the “D:\HQP_Data\Targa\Pg_Patn” directory. After restarting VLib program, the logos will be shown on the drop down list.
- [11] . Select rating logo from the drop down list. To have more options, save logo patterns in the “D:\HQP_Data\Targa\Rt_Patn” directory. After restarting VLib program, the logos will be shown on the drop down list.
- [12] . Scroll the controller to adjust the volume, and the default value is 1.00.
- [13] . Click the button to add a new import task to the Worksheet.
- [14] . Click the button to load a video partitioning *.txt file generated by the cutting tool.
- [15] . Click the button to partition video by the non-destructive cutting tool.
- [16] . Users can partition video into sections (up to 64 sections) by giving each of which starting and ending points. Click any of the desired segmentation boxes to bring up the detailed clips partition dialog to manually adjust it. The dialog is as below:



1. In/Out Point of each segment.
2. Tick the “T” box means advertisement can be added before this clip. On the other hand, uncheck the “T” box means no advertisement allowed before this clip.
3. Click “OK” to save changes and leave.
4. Click “Exit” to leave without saving.
5. Click “Delete All” to clear partition.
6. If start point of the clip is not 00:00:00:00 (usually happens while importing betacam files), VLib cut tools can help users to subtract a period of time automatically.

4.2.1 Media File Check Dialog

When media files at the local computer are initially added to the broadcast schedule for import, the system automatically opens the “Check Media File Information” window, and scans the media file format to see if it meets the current settings. If it does, the media file is scheduled for import; otherwise, an error message is displayed. The window layout is as follows:



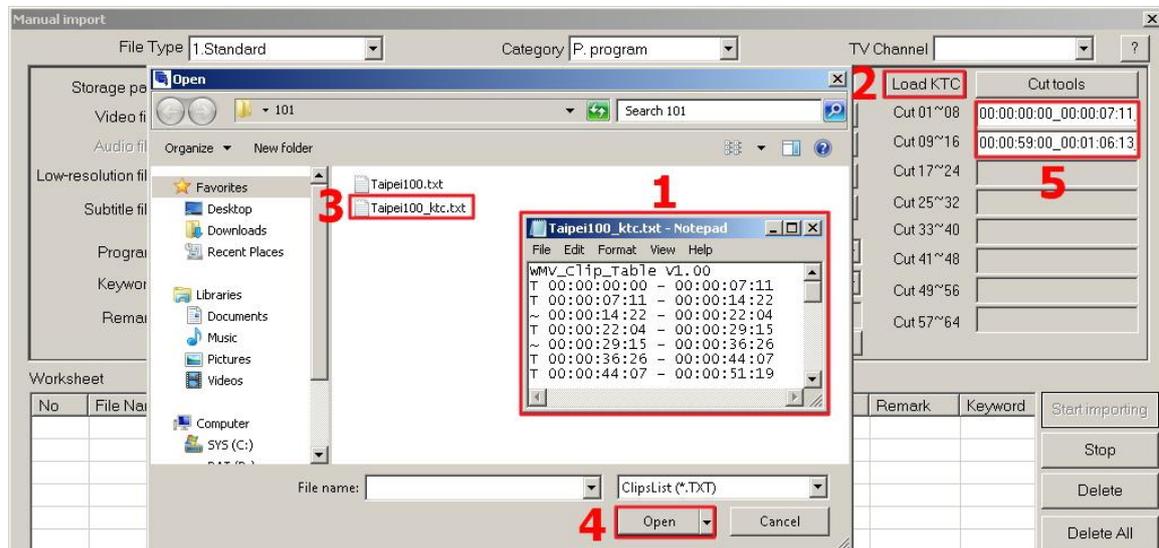
- [1]. The progress bar indicates the scanning process. The preceding figure indicates the number of the currently scanning file, and the succeeding figure indicates total number of files to be scanned.
- [2]. Path of the currently scanning file.
- [3]. Name of the currently scanning file.
- [4]. Error message of the incompatible file will be shown in this area, shown as bellow.



- [5]. Click “Exit” button to close the File Check dialog.
- [6]. Click “on-line help” button for more information.

4.2.2 How to Load KTC File

KTC file is a text file which record partitions of clip, and it can be edited by Notepad.

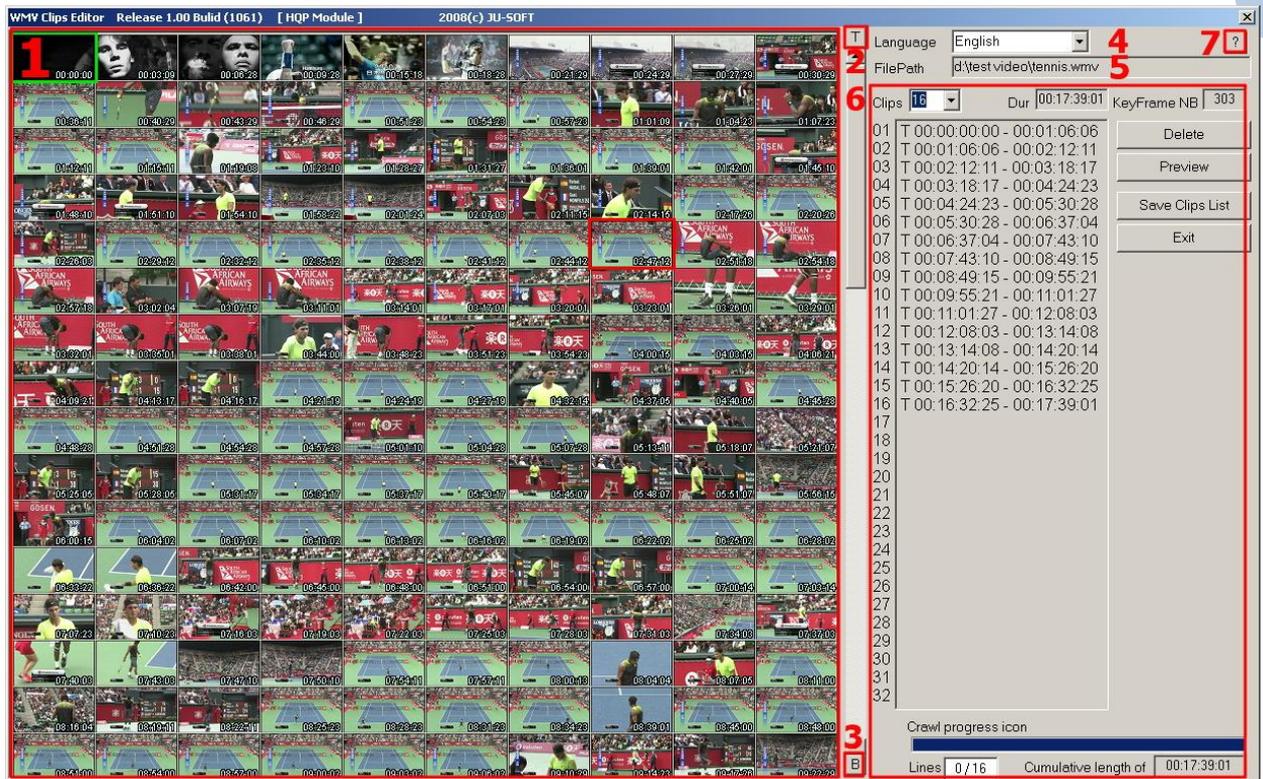


- (1) . The format of the KTC file is look like this.
- (2) . Click to open folder explorer to load KTC.
- (3) . Select the *.txt file which corresponds to the clip file.
- (4) . Click to confirm.
- (5) . The partitions will be displayed on this section.

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4.2.3 Program Clip Editing

The Program Clip Editor allows users to test run programs for producing segmentations to accommodate advertisements in between. For program file in “.WMV” format, icons are provided for program file key frames. The resulted program clip table will be used as information by HQP-VLib to import the program.



[1] . The key frame icon window is displayed only when the media file format is “.WMV”. The following graph shows the initial scanning status. The scanning result is used to locate the position of each icon in the “Key Frame Icon Window”, and then every key frame image of the WMV file is fetched and placed in the key frame position of the displayed window.



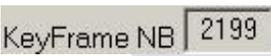
[2] . “T”: Scrolls to the top of the key frame icon window.

[3] . “B” Scrolls to the bottom of the key frame icon window.

- [4] . Pull-down menu of languages.
- [5] . File path that stores the media files.
- [6] . Clip Editing Section.

1. : Designate the number of clips you want create from the drop-down list, the maximum of which is 32.

2. : File duration will be automatically detected and shown on the window.

3. : The number of key frames of the “.WMV” file will be automatically detected and shown on the window..

4. Clip table is as follows. The preceding letter “T” means advertisement can be added before this clip; “~” means no advertisement allowed before this clip. To change the permission, simply double-click the letter “T” or “~” to switch between.

01	~ 00:00:00:00 - 00:11:15:02
02	T 00:11:15:02 - 00:22:30:05
03	~ 00:22:30:05 - 00:33:45:07
04	T 00:33:45:07 - 00:45:00:12
05	T 00:45:00:12 - 00:56:15:14

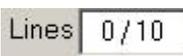
5. : Double-click a pair of Cue Points, and then click this button to delete it.

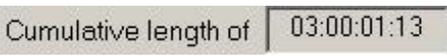
6. : Double-click a pair of Cue Points, and then click this button to preview the clip. Users can adjust Start/End Trim Point on Preview window to reset the clip.

7. : Click this button to save metadata of the created Ad Cue Points in HQP-VLib server as the basis of segmenting TV program.

8. : Click this button to exit the window.

9. : The progress of captured key frames will be shown here.

10. : The number precedes the “/” symbol indicates the selected clip, and total number of clips will be shown after it.

11. : Total time of all the clips summed up, which

may be longer than the original program length.

[7] . Click “on-line help” button for more information.

4.3 File Import Worksheet

No	File Name	Duration	Remote Path	Local Path	Status	Program Name	Remark	Keyword	Cut 01~08	Start importing
1	HD Program-6.mpg	00:06:18:20	D:\HD PROG...	D:\HQP_Data\...	—	HD Program-6				
6										

1 Start importing

2 Stop

3 Delete

4 Delete All

5 Exit

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- [1] . Start batch-importing files into HQP-VLib video library.
- [2] . Stop importing.
- [3] . Remove the selected media file from the Import Task Worksheet.
- [4] . Clear all media files from the Import Task Worksheet.
- [5] . Exit Manual Import Window.
- [6] . Import Task Worksheet.

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4.4 File Transfer Status and Disk Space Displaying Area

Main storage path	D:\HQP_Data\Video\20120810\ => 234.67G / 250.75G	1
Backup storage path	\\192.168.2.1\HQP_Data\Video\20120810\ => 1716.78G / 1862.51G	2
Import progress	Storage Path= D:\HQP_Data\Video\20120810\ => 234.67G / 250.75G	3
	2 worksheets completed, 2 files completed, 0 worksheets available , 0/1 processing	4

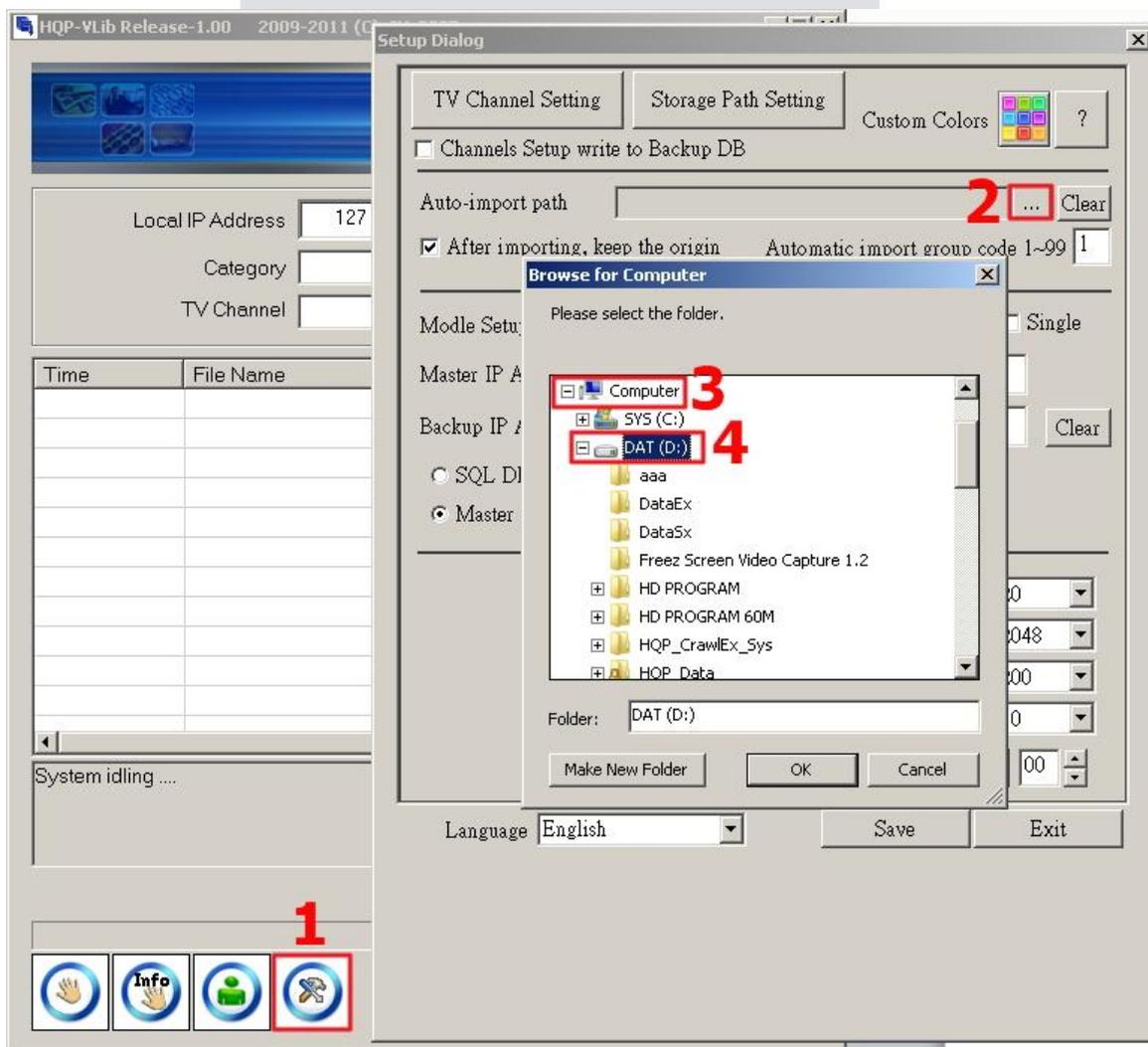
- [1] . Available space of the storage
- [2] . Available space of backup storage
- [3] . File importing information displaying area
- [4] . File importing progress bar

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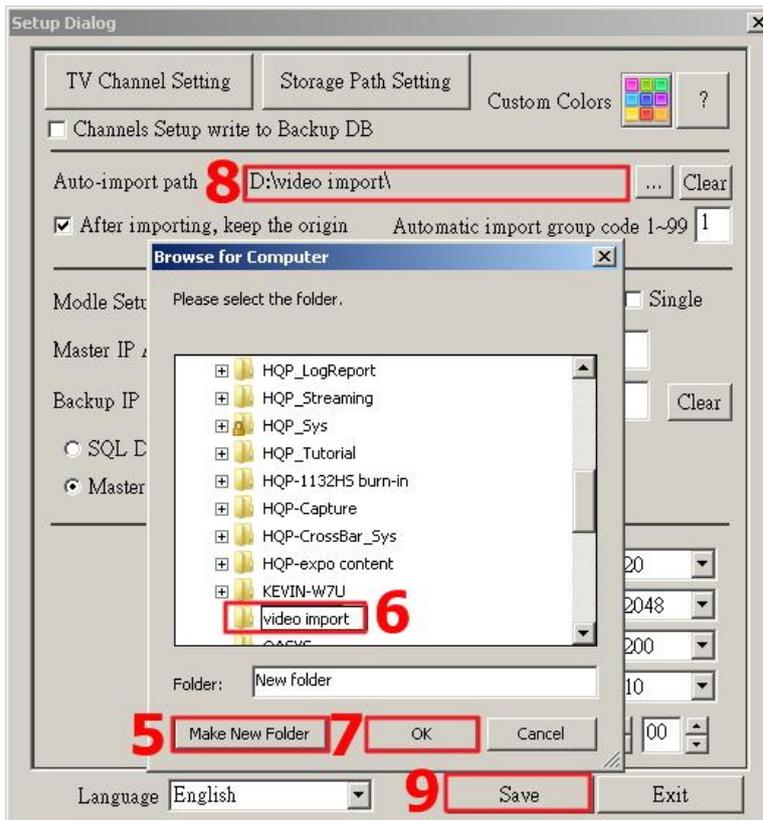
5. Automatic Import

VLib allows user to import video clips automatically, and clips can be imported by category. In Single mode, the Auto Import path should not be directed to HQP data disk (D :). This chapter is a demonstration of automatic import setting in Server mode.

5.1 Auto Import path setting



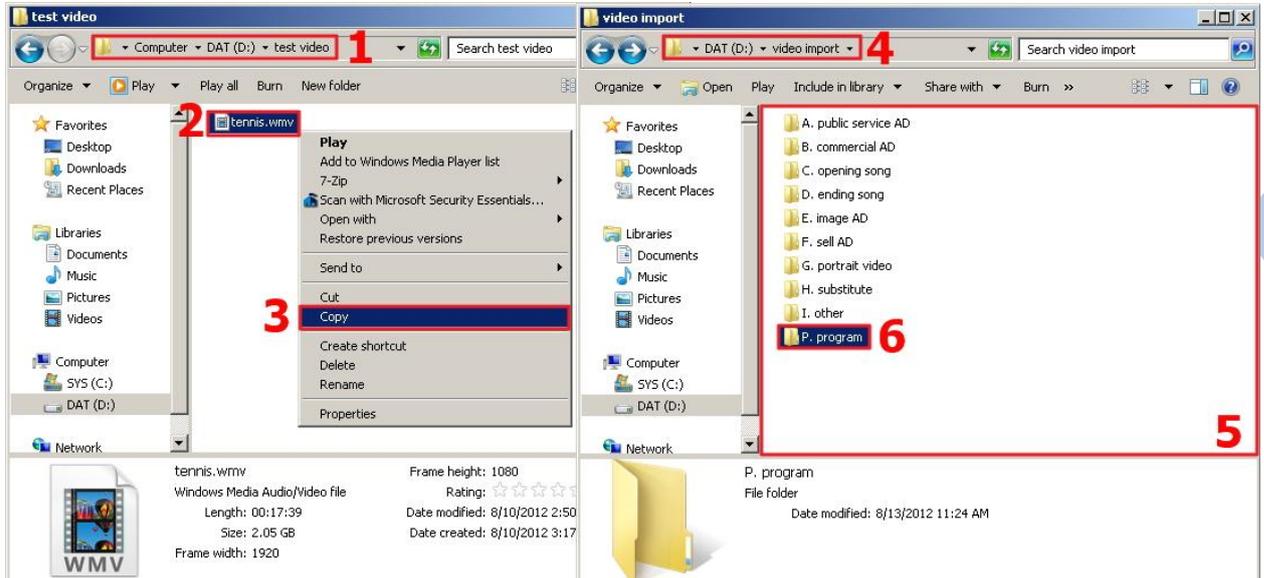
- [1] . Click “Setup” button to open the Setup Dialog
- [2] . Click “Path” button of Auto-import path to select the folder
- [3] . Click “Computer” to unfold folders.
- [4] . Click “DAT (D :)” to unfold folders.



- [5] . Click “Make New Folder” button to add a new folder
- [6] . Enter designate folder name of import path, we type in “video import” for example
- [7] . Click “OK” to confirm.
- [8] . The path will be shown in the “Auto-import path”.
- [9] . Click “Save” to save changes and exit.

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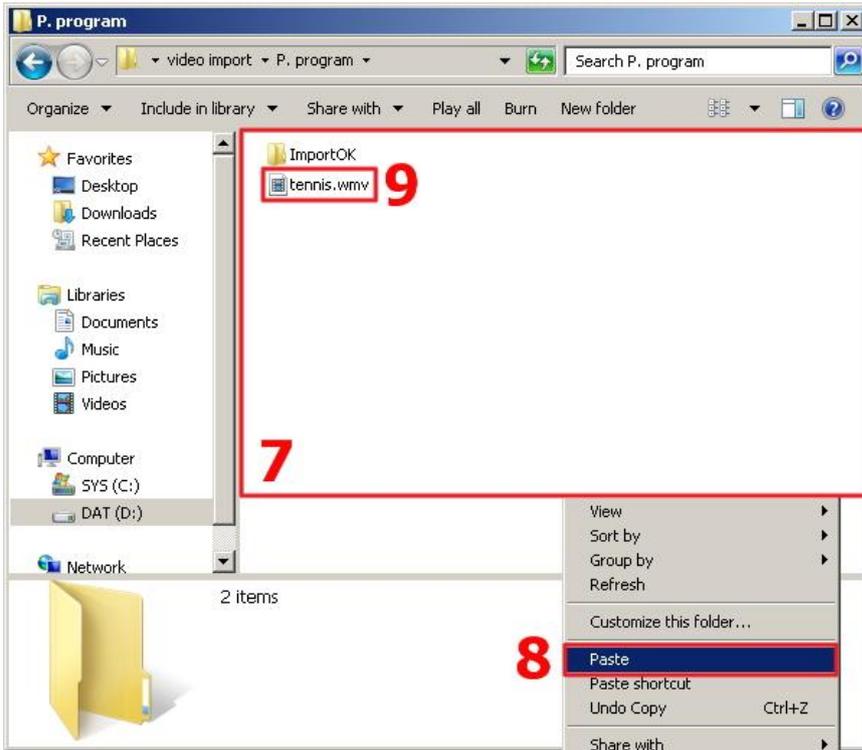
5.2 Place Video File to Folder Classified



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- [1] . Open the folder where the video clips are located
- [2] . Click the designate clip
- [3] . Right click on the clip and select “Copy”.
- [4] . Open the folder which was created in chapter 5.1.
- [5] . VLib will automatically generate 10 folders by category.
- [6] . Double click on the folder corresponded to clips (we take P. program for example)

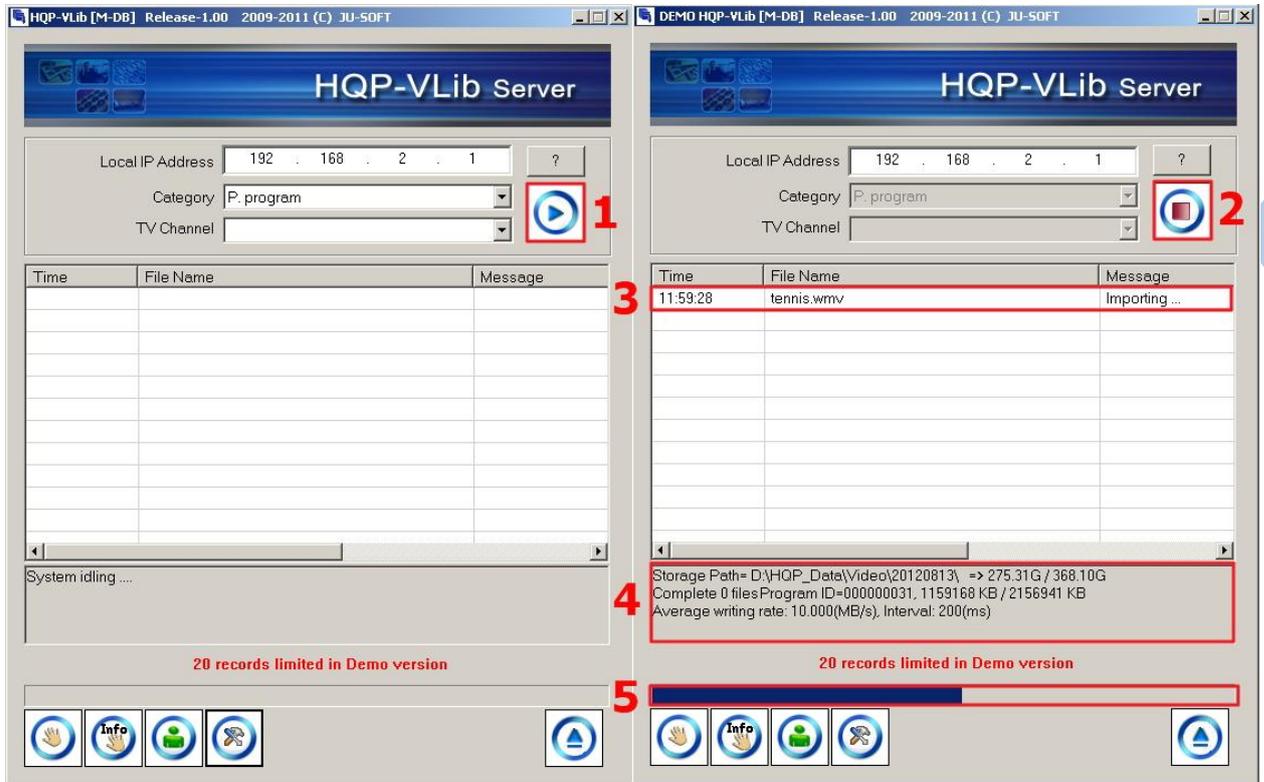
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- (7) . Right click on blank area of the “P. program” folder
- (8) . Select “Paste” to copy clips into current folder
- (9) . The clip will be generated.

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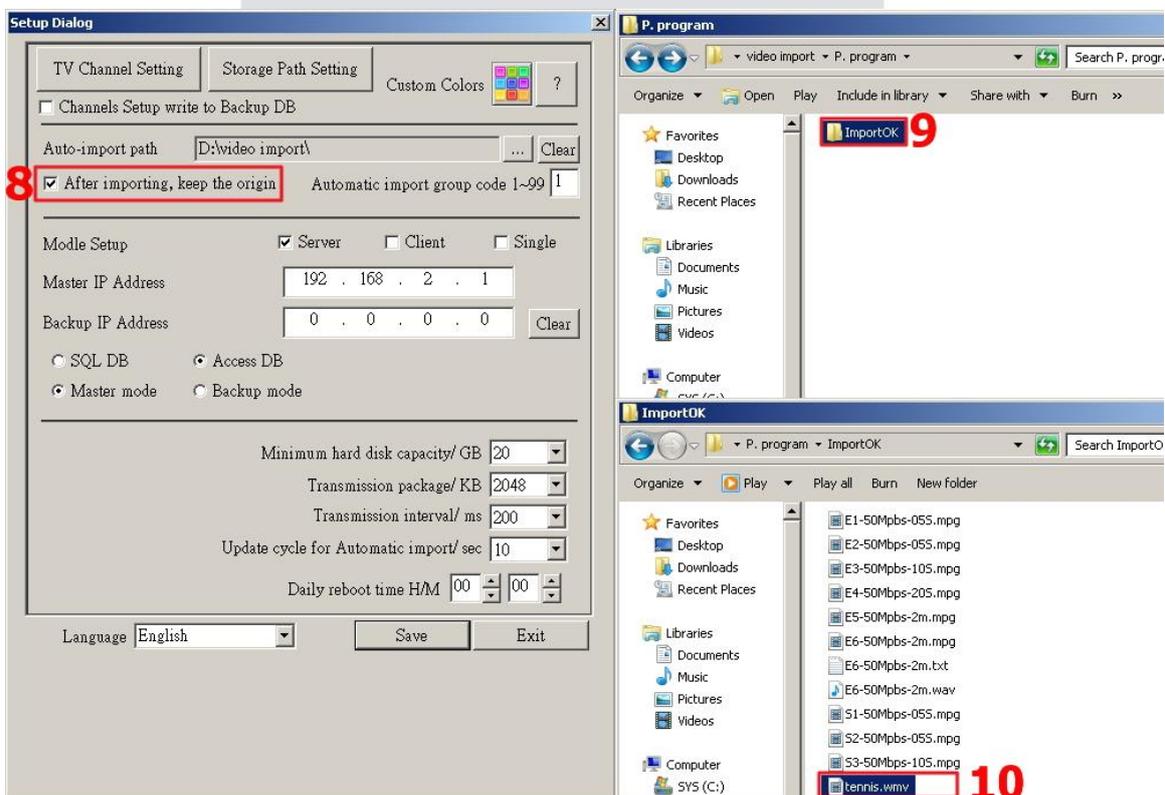
5.3 Start Importing



- [1] . Open HQP-VLib and Click “Start automatic import” button
- [2] . Start automatic import button will become “Stop” button while VLib importing, and some functions will be locked VLib stops importing.
- [3] . The clip which is being imported will show in the “Import Status Area”.
- [4] . Importing information will show in this area.
- [5] . Importing progress bar will display here.



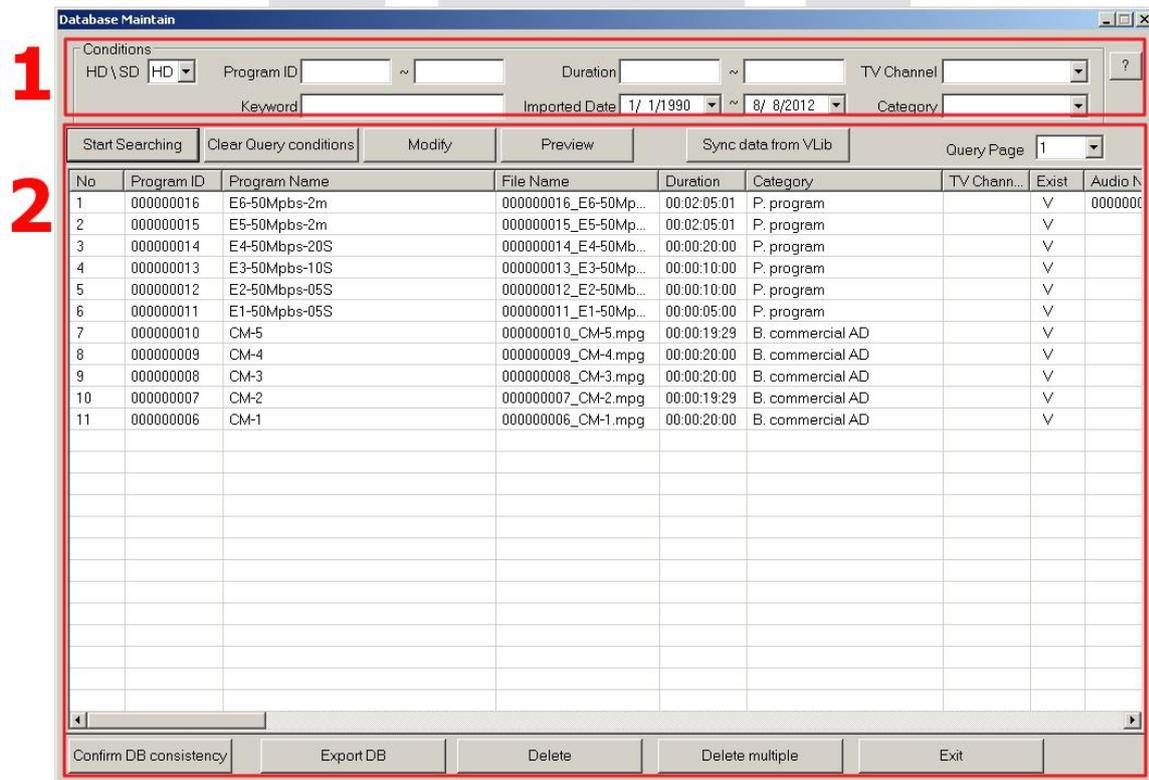
- [6] . Once the clip has been imported, the message will display “Import completed.”
- [7] . Click “Stop” after importing completed.



- [8] . If we tick the box, VLib will remain clips which were imported.
- [9] . Open the P. program folder which we just pasted the clip, and double click “Import OK” folder.
- [10] . Notice that the clip has been moved into the folder.

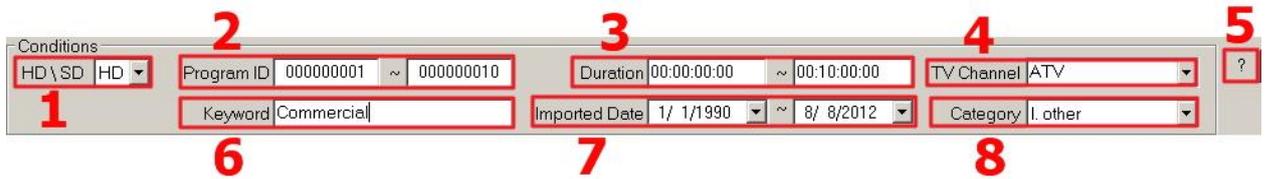
6. Database Maintenance / Queries

HQP-VLib system provides functions for database maintenance and queries. With different modes, its window interfaces are slightly different. The window layout of Sever mode is as follows:



- [1] . Searching condition setting area
- [2] . Database operating and maintaining area

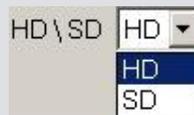
6.1 Searching condition setting area



The screenshot shows a search interface titled 'Conditions' with the following fields and callouts:

- 1**: Format selection dropdown (HD \ SD | HD)
- 2**: Program ID range (000000001 ~ 000000010)
- 3**: Duration range (00:00:00:00 ~ 00:10:00:00)
- 4**: TV Channel dropdown (ATV)
- 5**: Help button (?)
- 6**: Keyword input (Commercial)
- 7**: Imported Date range (1/ 1/1990 ~ 8/ 8/2012)
- 8**: Category dropdown (I. other)

- [1] . Select HD or SD format as searching condition from the drop down list.



Close-up of the dropdown menu showing options: HD \ SD | HD (selected), HD, and SD.

- [2] . Users can inquire media clips by giving a range of Program IDs.
 [3] . Users can inquire media clips by giving a time range.
 [4] . By selecting a channel from the drop down list, users can inquire media clips from the designate channel (It works only on a multi-channel VLib server).

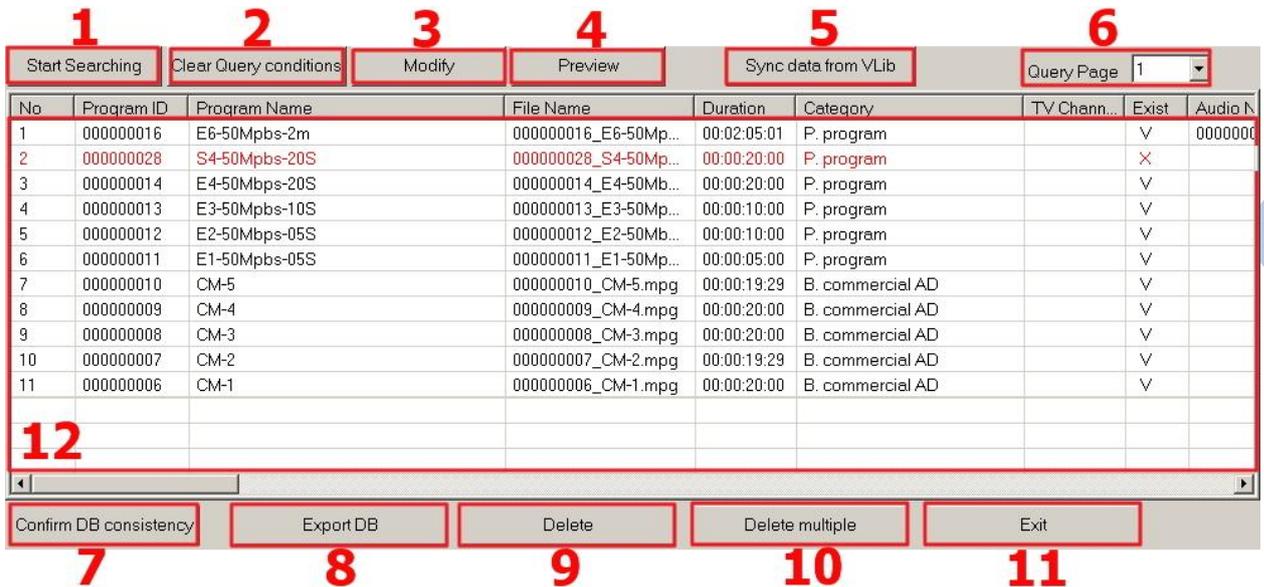


Close-up of the TV Channel dropdown menu showing options: ATV (selected), ATV, and BTW.

- [5] . Click the “on-line” help button for more information.
 [6] . Users can inquire media clips by entering keywords.
 [7] . Users can inquire media clips by giving a range of dates.
 [8] . Users can inquire media clips from a certain category.

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6.2 Database operating and maintaining area

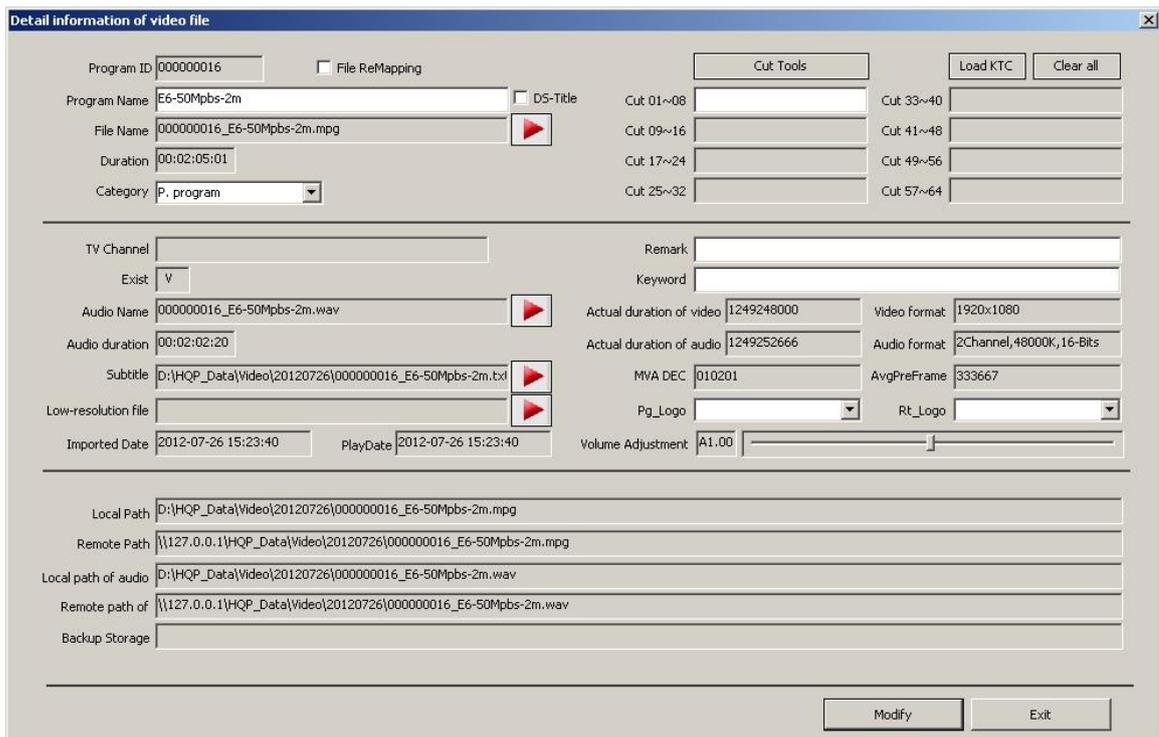


The screenshot shows a software interface for database management. At the top, there are six buttons: 'Start Searching' (1), 'Clear Query conditions' (2), 'Modify' (3), 'Preview' (4), 'Sync data from VLib' (5), and a 'Query Page' dropdown menu (6) set to '1'. Below these is a table with columns: No, Program ID, Program Name, File Name, Duration, Category, TV Chann..., Exist, and Audio N. The table contains 11 rows of data, including programs and commercial ads. At the bottom, there are five buttons: 'Confirm DB consistency' (7), 'Export DB' (8), 'Delete' (9), 'Delete multiple' (10), and 'Exit' (11). A large '12' is overlaid on the bottom left of the table area. A blue circle with the number '46' is on the right side of the image.

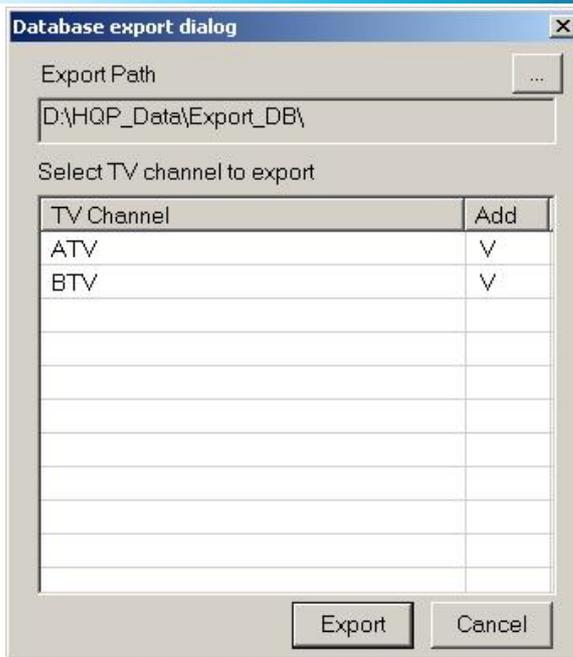
No	Program ID	Program Name	File Name	Duration	Category	TV Chann...	Exist	Audio N
1	000000016	E6-50Mbps-2m	000000016_E6-50Mp...	00:02:05:01	P. program		√	0000000
2	000000028	S4-50Mbps-20S	000000028_S4-50Mp...	00:00:20:00	P. program		×	
3	000000014	E4-50Mbps-20S	000000014_E4-50Mb...	00:00:20:00	P. program		√	
4	000000013	E3-50Mbps-10S	000000013_E3-50Mp...	00:00:10:00	P. program		√	
5	000000012	E2-50Mbps-05S	000000012_E2-50Mb...	00:00:10:00	P. program		√	
6	000000011	E1-50Mbps-05S	000000011_E1-50Mp...	00:00:05:00	P. program		√	
7	000000010	CM-5	000000010_CM-5.mpg	00:00:19:29	B. commercial AD		√	
8	000000009	CM-4	000000009_CM-4.mpg	00:00:20:00	B. commercial AD		√	
9	000000008	CM-3	000000008_CM-3.mpg	00:00:20:00	B. commercial AD		√	
10	000000007	CM-2	000000007_CM-2.mpg	00:00:19:29	B. commercial AD		√	
11	000000006	CM-1	000000006_CM-1.mpg	00:00:20:00	B. commercial AD		√	

- [1] . After enter searching conditions, click the button to start inquiring.
- [2] . Click the button to clear the preset searching conditions.
- [3] . In Server or Single mode, users can click the button to modify the selected media clip (or double-click the clip) from the Metadata editing window. In Client mode, users can still open the window, but you are not allowed to modify the metadata. The functions of modified window are very similar to “Import Editing Area” in chapter 4.2.

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- [4] . Click the button to preview the selected video content (This action can also be done by double-clicking the clip with the right mouse button).
- [5] . Refresh VLib and update the latest data.
- [6] . If searching results are more than 1 page, you can select page number from the drop down list when you're not able to find your target in the first page. Each page displays 100 data.
- [7] . Check if the actual file of each media clip does exist; this function is disabled in "Client" mode.
- [8] . Users are allowed to export the designate database of certain channel, default storage path of which is D:\HQP_Data\Export_DB, and the file name is VideoDB.mdb. Database export dialog is shown as below, in which you double-click the "Add" field with the left mouse button to designate channel database you want to export. "V" indicates database of the channel will be exported.



[9] . Click the button to delete the selected media clip, the confirming dialog will pop up after clicking the button; in “Client” mode, this function is disabled. The dialog is as below:

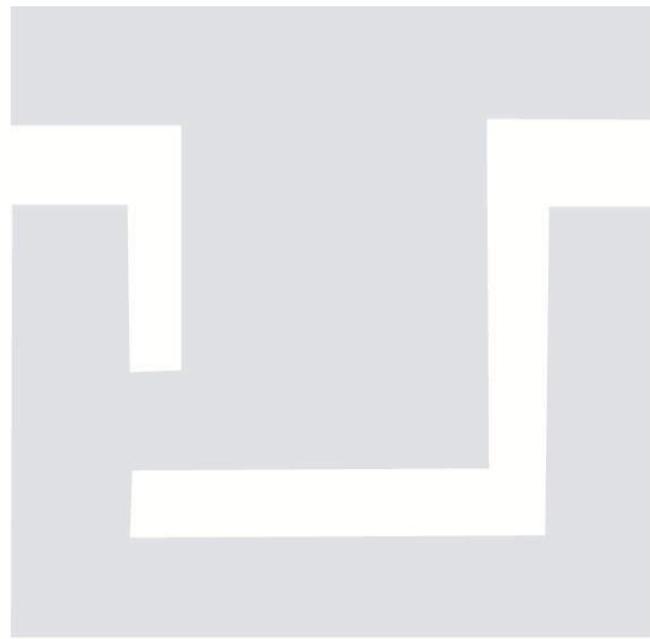


[10] . Click the button to delete multiple media clips, the confirming dialog will pop up after clicking the button; in “Client” mode, this function is disabled. The dialog is as below:



[11] . Exit VLib Maintenance window.

[12] . Query results will be shown on the list. “V” symbol indicates that the clip exist, and “X” symbol indicates that the clip doesn’t exist



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