

- To record TV shows, first, you will need to plug in the external USB storage devices such as the USB HDD (Hard Disk Drive) or USB flash stick to PHD-VRX unit.

PHD-VRX will promptly detect and mount USB device. You can then press **QUICK** remote button to verify USB device status from Quick Menu. Or the USB device connecting screen will pop out first if some files are already in the USB HDD.



- PHD-VRX can record TV shows on the first USB device plugged in (internal system assigns it as “usba”). Second USB device plugged in (assigned as “usbb”) will be used as a general media player device.
- Make sure USB HDD for recording is formatted as either Linux ext-2 or Windows NTFS format. PHD-VRX provides on-screen format utility tool so you can directly format your HDD to Linux ext-2 for best performance.



- To start recording, PHD-VRX provides four (4x) different recording methods in general:

1. **Record Now:**

This is simplest recording method. By pressing



remote button, then select “Record now” option. Instantly, PHD-VRX will start recording. You will see red “R” running circle



displaying on top right-hand corner of TV screen to indicate the current show is recording now. PHD-VRX will continue recording until you press **STOP** remote button to stop.



- To indicate recording in progress, PHD-VRX unit front panel LED display will show:
 - “rEC-1” and red light for tuner 1 recording.
 - “rEC-2” and red light for tuner 2 recording.
 - “rEC-1-2” and red light for both tuner 1 and tuner 2 recording in the same time.



2. Manual Recording associated with Program Guide:

Press  remote button and select “Create a manual recording” option. If PHD-VRX detects current TV show with Electronic Program Guide (EPG) data. PHD-VRX will automatically think you want to record this show from current moment to the end of the show. Once selected, Record Schedule Timer screen will pop out. The active option is checked by default. All other options are greyed out and filled by EPG data except “End Time”, which record ending time can be increased by choice from 1 minute up to 60 minutes delay.



Once selected “Done” to confirm the schedule timer, PHD-VRX will start immediately recording by seeing red “R” running circle  on top right-hand corner of TV screen as the indication. PHD-VRX will automatically stop recording when timer ends.



- Using this method to record the show if without EPG data, Record Schedule Timer screen will open up all options and allow user to manually adjust them.

3. Manual Recording:

You can fully control how to schedule your recording by selecting this option from main menu. Press **MENU** remote button to bring up main menu, then select Record → Schedule Recordings → Manual Schedule. Once selected, Record Schedule Timer screen will pop out. In this point, majority options are open for user to adjust.



- **Active** option: Select this option to turn the schedule timer active and ready to record. You can also unselect this option to reserve this schedule timer and check back later in “Upcoming Recording list”, see Page 5.
- **Type:** You can set different record schedule type as below.
 - **Once:** This record schedule will be used for only one time. In “Upcoming Recording list”, will show  for this type.
 - **Everyday:** Select this type will force PHD-VRX unit to record the show same time every day. In “Upcoming Recording list”, will show  for this type.
 - **Mon-Fri:** Select this type will force PHD-VRX unit to record the show same time during weekdays. In “Upcoming Recording list”, will show  for this type.
 - **Sat & Sun:** This type will force PHD-VRX unit to record the show same time during weekend. In “Upcoming Recording list”, will show  for this type.
- **Date** and **Time** options: You can adjust recording starting time and date from these options.
- **Duration:** You can also adjust recording duration from this option. The minimum recording duration is 5 minutes (00:05).
- **Input:** Select recording schedule tuner input (Tuner 1 or Tuner 2).
- **Medium:** Select recording input RF source (Antenna or Cable).



Since you can adjust date/time and duration, Timer Options won't be available.

- Once selected “Done” and confirm, PHD-VRX will remember this schedule timer and display schedule information on “Upcoming Recording list””, see Page 5.



You can either leave the unit on or turn off unit to standby mode. Once the time is up, unit will prompt a message and start recording, or wake up from the standby mode to start recording. Unit front panel will also show either “rEC-1” or -2 or both to indicate the unit is in recording progress.

4. Program Guide Recording:

There are two ways to start program guide recording. In menu, select Record → Schedule Recordings → Program Guide. This way, PHD-VRX will bring up Program Guide screen. Or, you can directly press **GUIDE** remote button to bring up the same screen.

In the Program Guide screen, use navigation keys UP and DOWN to search the desired channel. Then use RIGHT key to move to proper program title for recording.

If highlighted program title is the very first one, which is the current show, then press



remote button, “Record Options”

screen will pop out. PHD-VRX will treat this recording is the same way as method 1 or method 2 described above on page 1 and 2.

If highlighted program title is other than the first one, which is the future show. Press

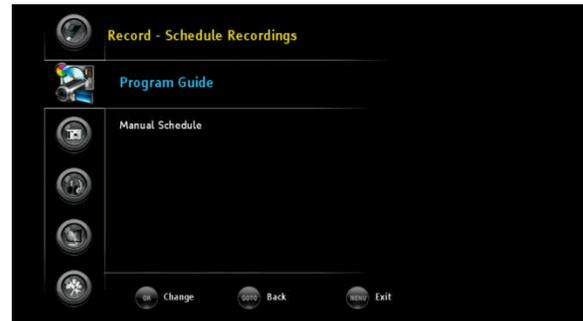


remote button, a new “Record Schedule

Timer” will pop out. In this screen, you can adjust Type, Start time and End time of the show per your preference. Once selected “Done” and confirm, Program Title right side will be marked with type icons to indicate this program is scheduled for recording.



- Once future schedule recording is set, you can either turn off unit to standby mode or still keep the unit on. If unit is on, you can also watch other TV show from different channel or from different tuner. And you can even switch to a different input. When time is up, PHD-VRX will automatically record the channel you previously set to.



- To check or modify record schedules from “Upcoming Recordings” screen:

All recording activities including the current recording and future schedule recordings are all displayed from Upcoming Recording list. To bring up this screen, press **MENU** remote button, then in menu, select Record →Upcoming Recordings.

Move to the desired recording schedule and you can modify (Update) or delete the schedule.



Ch. Num	Ch. Name	Date	Time	Duration	Source	Status	Type	Active
ANT 5-1	KTLA-DT	Jun 08	23:00	00:30	Guide	R	Green	Yes
ANT 5-1	KTLA-DT	Jun 09	00:00	00:30	Guide	✓	Yellow	Yes
ANT 5-1	KTLA-DT	Jun 09	00:30	00:30	Guide	✓	Green	Yes
ANT 5-1	KTLA-DT	Jun 09	01:30	00:30	Guide	✓	Red	Yes

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Friends
The One With Joey's New Girlfriend: Chandler falls for a woman who is already involved with Joey; Rachel and Ross play the jealousy game.

Select Update Delete Page Up Page Dn Exit

The “Status” column indicates the current recording status:

- R** : recording in progress.
- ✓ : will record soon.
- 🔌 : USB device unplugged.
- 🔌 : Not enough emery size to record.
- 🚫 : recording is forced to stop.
- ✗ : recording error.



- Once you set a schedule, it is always good to check back from this “Upcoming Recordings” screen to confirm that you have successfully set up a timer recording schedule.
- You can set up to maximum **32** different recording schedule events. Once a recording is complete, then this recording information will be removed from the list.

- To check the recorded TV program from “Recorded Shows” screen:

This “Recorded Shows” screen holds the history of your recorded shows and contains all TV program status, file names and detailed program description if it is available from program guide. To bring up this screen, press **MENU** remote button, then in menu, select Record → Recorded Shows.




Ch. Num	Ch. Name	Date	Time	Duration	Status	File Name
ANT 7-1	KABC-DT	Jun 09	11:30	00:17	✓	EVERYDAY-HEALTH_692012_114256.mpg
ANT 5-1	KTLA-DT	Jun 09	00:30	00:30	✓	Family-Guy_692012_003010.mpg
ANT 5-1	KTLA-DT	Jun 09	00:00	00:30	✓	Family-Guy_692012_000003.mpg
ANT 5-1	KTLA-DT	Jun 08	23:00	00:30	✓	Friends_682012_230003.mpg

- File name used for recorded show are named by following two conditions:
 - (1) If the show has Electronic Program Guide (EPG) data associated, the file name will add program title first followed by date and time. For an example,

File name: **KTLA-5-News-Sunday-Edition_5272012_200048.mpg**

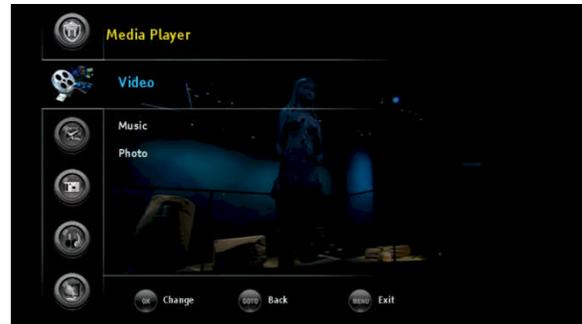
The recorded program title is “KTLA-5-News-Sunday-Edition”, and it is recorded at May (05), 27th in 2012. The recording started at 8:00pm 48s.
 - (2) If the show has no EPG data associated, the file name will add the channel number first followed by date and time. For an example,

File name: **52.1_512012_221850.mpg**

The program is recorded from channel number 52.1 at May (05), 1st in 2012. The recording started at 10:18pm 50s.
- To play back recorded program, you will need to go to “Media Player” menu and select “Video” to play.

- To play recorded shows from Media Player menu:

You can access PHD-VRX Media Player menu to play back all video, music and photo files from USB HDD or USB flash stick. The recorded TV shows from PHD-VRX are those files with the extension of .mpg, which can be accessed under Video section. To play these files, press **MENU** remote button, then in menu, select Media Player → Video.



A new “Video” menu screen will come out. Left side of the screen is the list showing all recognized video files including recorded TV shows. Right side top portion is the preview window for the video file you currently highlighted. Right side bottom portion is showing video time line and action keys.



Press **OK** remote button for the highlighted file, full size video is displayed.

For both small preview video and full size video, you can use remote control action buttons to adjust the speed or stop video in any time. These action control buttons are:



- ▶ **PLAY:** Play or resume a paused video.
- ⏸ **PAUSE:** Pause current video.
- **STOP:** Stop playback.
- ⏭ **FORWARD SKIP:** Use for commercial skip or quick video jumping. Press this key once to generate a 20 seconds forward skip. Press and hold this key will create steady 20s increment continuous video forwarding.
- ⏮ **BACKWARD SKIP:** Use for commercial skip or quick video jumping. Press this key once to generate a 20 seconds backward skip. Press and hold this key will create continuous 20s decrement of video back forwarding.

- ◀ **RWD**: Rewind video quickly. Press this key multiple times to create 2x, 4x, 8x, 16x, 32x different rewind speeds.
- ▶ **FF**: Fast Forward video quickly. Press this key multiple times to create 2x, 4x, 8x, 16x, 32x different fast forward speeds.



- When use Media Player function to play back video, music or photo files. PHD-VRX unit front panel LED display will show “PLAY” to indicate unit is in playback mode.

■ To record TV shows from both tuners:

No matter which recording methods you are using, you can record two shows from two tuners in the same time. After record one show in tuner 1 for example, or set up a schedule timer for tuner 1 program, you can switch to tuner 2 by press **INPUT** remote button. The “Inputs” screen will pop out. Then use UP or DOWN key to select either Tuner 1 or Tuner 2 and press **OK** remote button to switch.

Or, you can simply press **TV** remote button to toggle between Tuner 1 or Tuner 2 input. Once switch to different Tuner, then start setting up recording method , see Page 1 ~ 4, as usual.



Note: Please always use  key as ‘**BACK**’ or ‘**RETURN**’ key when needed.