

■ PHD-VRX2 new EPG Features

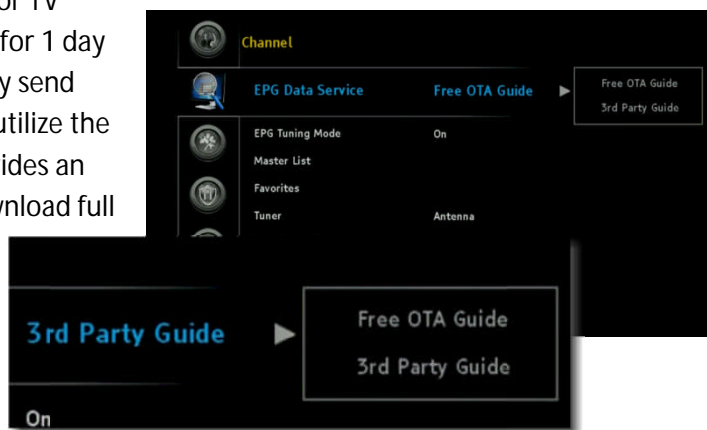
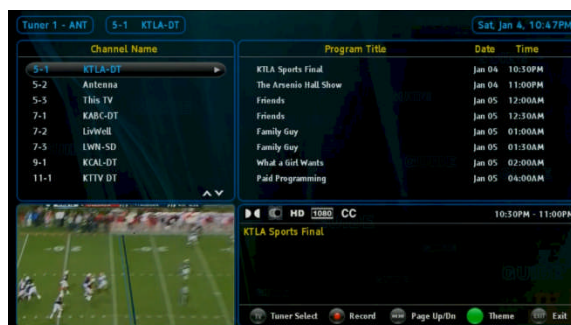
PHD-VRX2 is equipped with a new function (under the firmware VRX2.243.25.42-RC1 or later), which can link and download full 7-day over-the-air (OTA) electronic program guide (EPG) data from the third party EPG service provider, Schedules Direct (<http://www.schedulesdirect.org/>). Schedules Direct is a non-profit organization that provides a low-cost television program listing service. If the user is interested in using this feature on PHD-VRX2, please check the Schedules Direct web site to find out more details and how to enroll their membership.

In order to use this feature:

- You must have an EPG service provider (Schedules Direct) account. When you set up this service from PHD-VRX2, the unit will ask you to enter account login name and password.
- You must have internet access and connection to PHD-VRX2 via Ethernet port. PHD-VRX2 will need to verify account information and download EPG data in real-time base on-line.
- Please add only one lineup in your account if possible when signing up with Schedules Direct. This will speed up the download speed. Since PHD-VRX2 downloads full 7-day over-the-air EPG data, the lineup that should be selected is the "Local Broadcast Listings – Antenna". Also remember the zip code associated with this lineup. You will need to enter the zip code during PHD-VRX2 EPG setup.

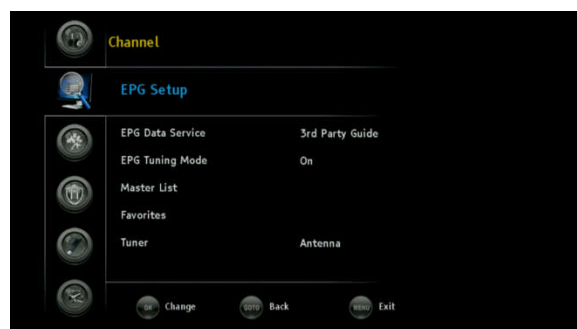
3rd Party EPG Set up

By default, PHD-VRX2 EPG data set up option is set for "Free OTA Guide". This is the free EPG data sent from each TV broadcasting company. Every time the user highlights a different channel number during the Guide screen, PHD-VRX2 will try to download the current EPG data from that station. For major TV station networks, it may send out EPG data for 1 day more or less. For small TV stations, they may send out just half day EPG data. In order to fully utilize the Program Recording feature, PHD-VRX2 provides an additional option which allows users to download full 7-day OTA EPG data from third party EPG service provider, Schedules Direct.

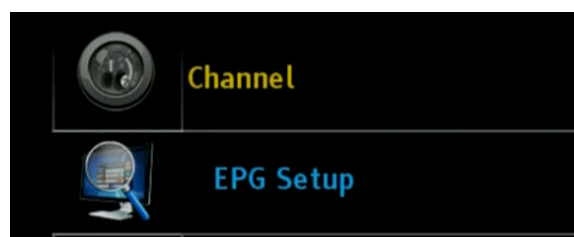


○ Activating 3rd Party Guide

You can set up 3rd party EPG from the on-screen main menu. Press **MENU** remote key to bring up the main menu, then select **Channel** → **EPG Data Service**. There are two options available, Free OTA Guide and 3rd Party Guide. Use Navigation keys **◀/▶** or **▲/▼** keys to select 3rd Party Guide option. This indicates all the program titles and program details in Guide screen that will be used from the 3rd party EPG service provider and not from over-the-air TV broadcasters. After that, move back to the Channel menu section, then use Navigation keys to move up to find the EPG Setup option.

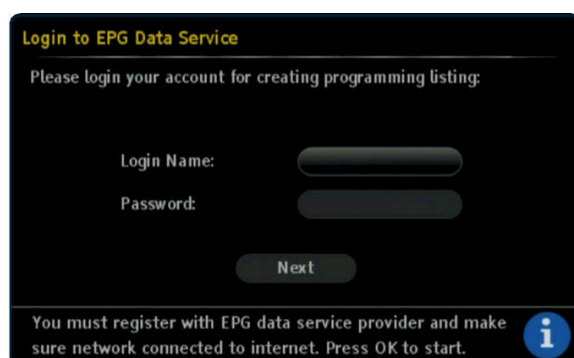


- When "Free OTA Guide" is selected, EPG Setup option will be greyed out (inactive).
- User can always switch back between 3rd party EPG and OTA program data on Guide screen by changing the option to either "Free OTA Guide" or "3rd Party Guide" in this menu.

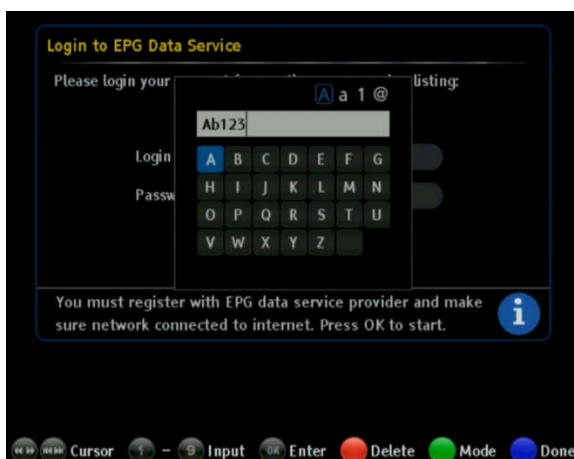


○ Linking 3rd Party Guide User Account

Select EPG Setup option from Channel menu section by pressing **OK** key. The "Login to EPG Data Service" screen will pop up. You will need to enter correct account login name and password when you sign up with Schedules Direct.



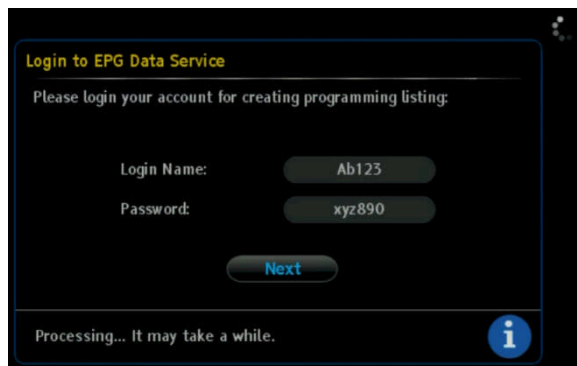
Press **OK** remote key to bring up on-screen keyboard and type the correct information. Use the **Red** key to delete the current character entered. Use the **Green** key to change different modes to enter special characters or numbers. When finished entering the information, press **Blue** key to complete and close the keyboard screen.



After you have entered the correct login name and password, select "Next" to go to the next setup screen. In the meantime, PHD-VRX2 will connect to Schedules Direct server on-line to verify the login information. Depending on whether the Schedules Direct server is busy or not, sometimes it may take a while to get through the server and confirm the account information. In the meantime, you will see



icon running on the top right hand corner of screen and the menu will mention it is in processing and may take a while to complete and go to the next step.




Login to EPG Data Service

Please login your account for creating programming listing:

Login Name:

Password:

Next

Processing... It may take a while. 

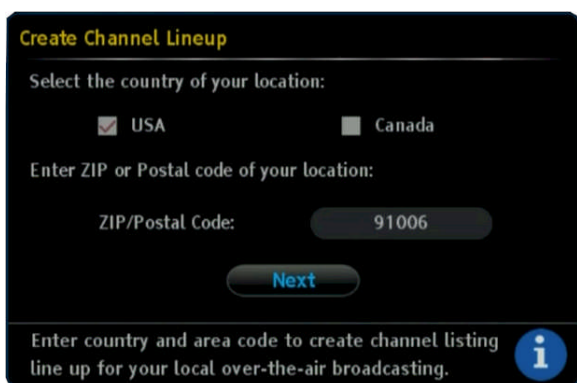
o Integrating 3rd Party Guide Channel Lineup

After successful verification of the user account, a new "Create Channel Lineup" menu screen pops up. In this screen, select and enter your location and your zip (postal) code. This location and area code should be identical to the one you signed up with in Schedules Direct account. Currently, 3rd party EPG data only supports locations in USA and Canada.

After you have selected the proper location and entered the correct area code, press Next to go to confirmation screen. Either select "Done" to confirm it or select "Back" to go back to the previous screen and re-enter the location and area code information again.



- After confirming the channel lineup, the screen disappears and the internal PHD-VRX2 starts downloading EPG data and filling every channel with full 7-day program information. There is a lot of processing in the background and it may take up to several hours to



Create Channel Lineup


Select the country of your location:

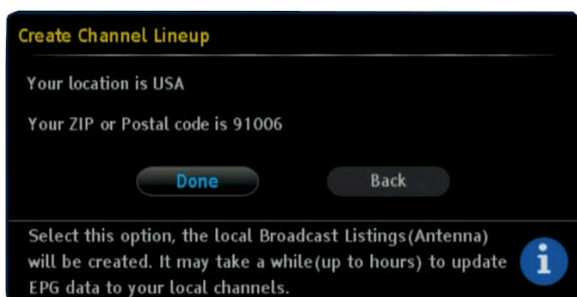
☒ USA ☐ Canada

Enter ZIP or Postal code of your location:

ZIP/Postal Code:

Next

Enter country and area code to create channel listing line up for your local over-the-air broadcasting. 




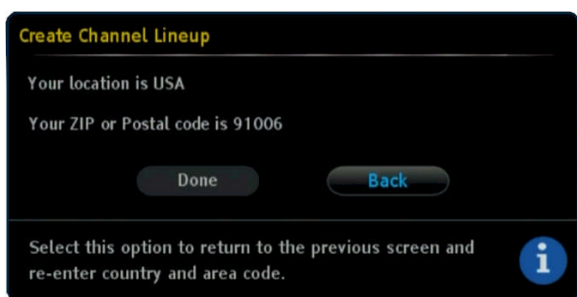
Create Channel Lineup

Your location is USA

Your ZIP or Postal code is 91006

Done **Back**

Select this option, the local Broadcast Listings(Antenna) will be created. It may take a while(up to hours) to update EPG data to your local channels. 




Create Channel Lineup

Your location is USA

Your ZIP or Postal code is 91006

Done **Back**

Select this option to return to the previous screen and re-enter country and area code. 

complete all the channel information. After that, PHD-VRX2 will automatically update more program data every day to maintain 7-day information.

- During the initial EPG data downloading, if you open Guide screen and change channel number, you may experience slow speed of responding due to vast data processing in the background.

■ PHD-VRX2 new Guide screen using 3rd Party EPG data

The Electronic Program Guide (EPG) from PHD-VRX2 provides users with TV program schedules and an overview of program content on each channel at a specific time. The Electronic Program Guide enables you to select programs to watch or record. With the new 3rd party full 7-day EPG service, PHD-VRX2 now offers better and feature-rich Guide screen. The following figure illustrates some key elements of the PHD-VRX Program Guide.



- (1) Current Guide Status: This area includes the current tuner selected, the current highlighted channel, and the date and time. If user presses **TV** remote key once, PHD-VRX2 Guide screen will automatically change and display to 2nd tuner program guide information.

- (2) Channel Name: Lists all the available channels and station names from this tuner. Press navigation keys **UP** and **DOWN** to scroll through each channel or use **⏮** and **⏭** to quick jump many channels at a time.



- After scrolling up or down to a different channel, PHD-VRX2 will start tuning to that channel. Once complete, the lower left side will display a new channel video and the program title will be refreshed to the new channel program.
- If recording is in progress, the Guide screen can still be turned on. The lower left channel video will have a red dot showing the recording and lock the video so the user can scroll to a different channel without tuning.



- (3) Program Title: This area lists all the available TV programs from the current selected channel. Since it is using 3rd party EPG data service, each channel program data can go up to 7-day complete program titles as well as the availability of program detail descriptions. Use navigation keys **UP** and **DOWN** to scroll through each TV program or use **⏮** and **⏭** to quick jump many program titles at a time up to 7 days.

- (4) Current Channel Video: This area displays live video from the current highlighted channel.

- (5) Program Detail Descriptions:

Each highlighted TV program has further detail description about the show displayed. Right on top of this area are also channel indicators for audio, video and record setting status.




- (6) Guide Navigation Keys:

Use these remote keys to easily navigate the PHD-VRX2 Guide Screen.

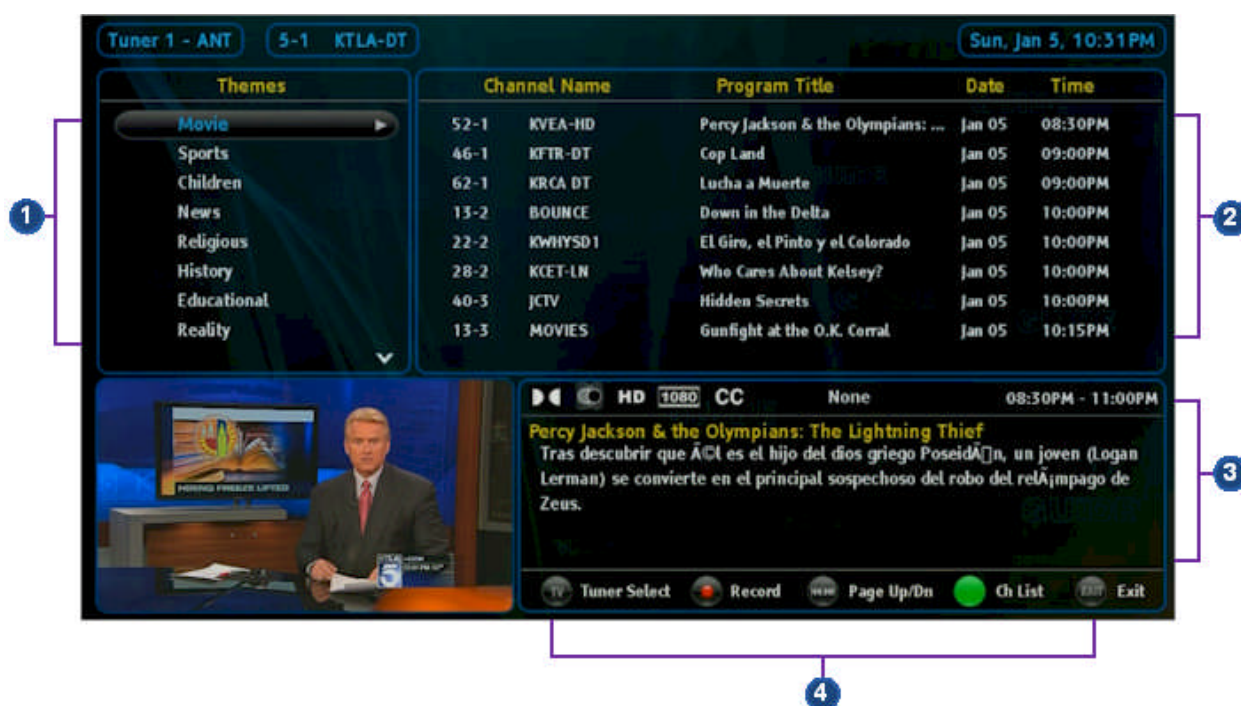


- Press **TV** remote key to switch to the different tuner program guide without exiting Guide screen.
- If a program title is highlighted, pressing the **REC** remote key will create a Program Guide Recording event. Please refer to the PHD-VRX2 user manual to learn more details regarding Program Guide Recording.

- Press  key, PHD-VRX2 Guide screen will change to Theme screen. The details will be described in the following.

■ PHD-VRX2 new Theme screen using 3rd Party EPG data

The new Theme screen feature from PHD-VRX2 is created to provide the user more flexibility and searching capability for certain theme categories like movies, sports, and many others. This feature is easy to use and easy to find a specific program title to record based on 3rd party EPG program data.



- Theme Category Selection: Based on 3rd party EPG program information, PHD-VRX2 is able to pre-sort several Theme categories including: Movie, Sports, Children, News, Religious, History, Educational, Reality, Cooking, Shopping, Entertainment and Travel. When a different theme category is highlighted, on the right side, program titles are also changed based on the selected category in time ascending order.
- Category Program Titles: The detailed program titles including channel names and channel numbers are listed here based on each theme category. The order is in time ascending order.




(3) Program Detail Descriptions:

Each highlighted TV program in Theme screen will display the detail description here.

(4) Guide Navigation Keys:

Use these remote keys to easily navigate the PHD-VRX2

Guide Screen. Press  key, and PHD-VRX2 will switch the Theme screen back to original Guide screen.



Note:

1. PrimeDTV and PHD products are not affiliated with Schedules Direct.
2. It is user responsibility to sign up with Schedules Direct and enroll proper membership in order to create the channel lineup and receive the 3rd party EPG data on PHD-VRX2.
3. PrimeDTV shall not bear any liability issues from Schedules Direct and their program guide information.



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