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MBNS reserves the right to update this document without prior notice.
YOUR VERY OWN VIDEO STORE

Astro Byond Video On Demand is a virtual megastore packed with thousands of videos for your viewing pleasure. Discover an amazing array of blockbuster movies and TV series ready to be enjoyed at your convenience. You can browse, rent and view any number of videos almost instantly, at any time of the day, right from the comfort of your own home.
GETTING STARTED

This document is intended as a reference to guide customers in setting up their Astro B.yond PVR to access the Video On Demand (VOD) service. It will familiarise you with the service and help you along with self-installation, which is the most cost-effective choice for you.

If you are an Astro B.yond IPTV customer, you don’t need to do anything to set up VOD. Simply press the ‘home’ button on your remote control and choose the Video On Demand option to enjoy!

WHAT DO YOU NEED TO ENJOY VIDEO ON DEMAND (VOD)?

In order to enjoy the VOD service, it is essential that you should have:
- An Astro B.yond PVR (only PVR boxes have access to Video On Demand)
- Activated your PVR service
- Broadband Internet connection (recommended speed: 5 Mbps, minimum speed: 1 Mbps) and a Router/Gateway (usually supplied by your ISP)

If you do not have an Astro B.yond PVR, please call 1300 82 3838 to subscribe.
HOW YOU CAN ACCESS THE GOOD STUFF

To enjoy the VOD service, your Astro Byond PVR needs to be connected to your broadband Internet connection. You can choose from the following two connectivity options:

**Option 1:**
Direct Ethernet Cable to your Router

**Option 2:**
Connect to your existing Wi-Fi network with a USB Wi-Fi Dongle
OPTION 1: DIRECT ETHERNET CABLE TO YOUR ROUTER

This is the simplest option, and is best-suited to customers who have their router close to their TV. Simply use an Ethernet cable (also known as a LAN cable) to connect the Astro Byond PVR to the router. Ethernet cables are easily available at most reputable computer stores.

Connect an Ethernet cable from Network Port 2 on the Byond PVR to any free LAN port on your existing router (usually supplied by your ISP).

DO NOT connect to Network Port 1 as it is disabled and reserved for future purposes.

CONGRATULATIONS! You have successfully set up Astro Byond Video On Demand. Press the ‘home’ button on your remote control and choose the Video On Demand option to enjoy.

Your router may look different from the image above, but the connections will be the same. Please consult your router manual if you are unsure where your LAN ports are located.
OPTION 2: CONNECT TO YOUR EXISTING WI-FI NETWORK WITH A USB WI-FI DONGLE

This option is suitable for Astro Byond PVR customers who have Wi-Fi access and whose router is not located near the TV. The Astro Byond PVR is capable of connecting to your home Wi-Fi network with the addition of a USB Wi-Fi Dongle.

To obtain a USB Wi-Fi Dongle, please visit www.astro.com.my/vod or call 1300 82 3838.

Note: Only Astro-supplied Wi-Fi Dongles are compatible with the Byond PVR. Other dongles will not work.

HOW TO SET UP YOUR USB WI-FI DONGLE FOR VOD

STEP 1:
Flip the antenna up and plug the Wi-Fi Dongle into either the front or the rear USB port of your Astro Byond PVR (The front USB port is located to the left of the Smart Card, whereas the rear USB port is located to the left of the power input).

Note: Rebooting is mandatory in order to set up your Wi-Fi Dongle for the first time.

STEP 2:
When the pop-up appears, choose ‘Yes, reboot now’ to reboot your Astro Byond PVR

Note: Rebooting is mandatory in order to set up your Wi-Fi Dongle for the first time.

STEP 3:
Choose ‘Yes, connect now’ when the pop-up appears
**STEP 4:**
Choose your Wi-Fi network using your remote control and press OK

**STEP 5:**
Enter your Wi-Fi password using your remote control (SMS keyboard) and press OK

If your Wi-Fi network is unsecured, this step will be skipped automatically.

**CONGRATULATIONS!** You have successfully set up your USB Wi-Fi Dongle for Video On Demand. Press the ‘home’ button on your remote control and choose the Video On Demand option to enjoy.

**ADVANCED SETUP OPTIONS**
The basic setup procedure should be sufficient to connect your Astro Byond PVR to the Internet in most situations. If your network is more complicated, or you are unable to connect to your Wi-Fi network using the basic setup procedure, press the BLUE button on your remote to access the following advanced setup options.

**WPS – PUSH BUTTON**
If your Wi-Fi router supports WPS, select ‘WPS – Push Button’ in the Advanced Setup menu and press the WPS button on your Wi-Fi router (usually indicated by a symbol) before the on-screen countdown finishes. Your Astro Byond PVR will be automatically configured to your home Wi-Fi network.

**WPS – PIN CODE**
Select ‘WPS – PIN Code’ in the Advanced Setup menu to generate a PIN code. Next, log in to your Wi-Fi router and enter the generated PIN code to connect your Astro Byond PVR to your home Wi-Fi network. For further instructions, consult your Wi-Fi router manufacturer.

**MANUAL SETUP**
If you have hidden your Wi-Fi network SSID, you must set it up manually. Select ‘Manual Setup’ in the Advanced Setup menu, enter all the details (SSID, security type, security key) using the remote control, then press the connect button to connect your Astro Byond PVR to your Wi-Fi network.
OPTION 3: CONNECT TO YOUR ROUTER USING POWERLINE ADAPTERS

This option is suitable if your router is at a distance from the TV and your Wi-Fi reception is poor near your TV, or if you are uncomfortable using Wi-Fi.

Powerline Adapters will allow you to connect your Astro Byond PVR to your router via your internal building electrical wiring. While performance can vary depending on building wiring and electrical devices in the home, the performance of Powerline Adapters should be sufficient for satisfactory VOD viewing in most cases.

You will need to purchase a pair of Powerline Adapters of any brand that conform to either the HomePlug AV (200 Mbps) or IEEE P1901 (500 Mbps) standard (available in most reputable computer stores).

Two widely available Powerline Adapter models are:

- TP-Link TL-PA211
- Aztech HL110EP

An example of a pair of Powerline Adapters (RRP: RM130-RM160)

Astro neither supports nor endorses either of these models. The indicated prices are solely meant as a guide and are subject to change without notice according to the prevailing market rate.

The performance of Powerline Adapters varies widely depending on the layout and quality of your building’s electrical wiring.

In most cases, the performance of Powerline Adapters should be sufficient for the satisfactory viewing of VOD; however there may be some exceptional situations where Powerline Adapters do not work well.

Note for customers with 3-phase electrical systems: Powerline Adapters will only work when both adapters are plugged in to the same electrical phase. Often, houses with 3-phase systems use separate phases for the lower floor, upper floor and air-conditioning systems respectively. If you live in a house with 3-phase electricity, Powerline Adapters may or may not work – depending on your building wiring configuration and where you plug in your Powerline Adapters.
SETUP PROCEDURE FOR POWERLINE ADAPTERS

The setup procedure for any pair of Powerline Adapters that conform to the HomePlug AV standard (200 Mbps) or the newer IEEE P1901 standard (500 Mbps) is identical. These devices are designed to be Plug & Play.

STEP 1:
Connect one of the Powerline Adapters to Network Port 2 on your Astro B.yond PVR and plug in the Powerline Adapter to the nearest power point available.

DO NOT connect to Network Port 1 as it is disabled and reserved for future purposes.
STEP 2: Connect the other Powerline Adapter to any LAN Port on your Home Router and plug in the Powerline Adapter to the nearest power point available.

STEP 3: Turn on both Powerline Adapters and wait for 2 minutes for both the Powerline Adapters to synchronise.

CONGRATULATIONS! You have successfully set up Astro Byond Video On Demand. Press the ‘home’ button on your remote control and choose the Video On Demand option to enjoy.

Avoid plugging in the Powerline Adapters into extension cords or multistrips as these reduce the reliability and signal strength of the Powerline network.

Note for customers with 3-phase electrical systems: If you live in a house with 3-phase electrical wiring, Powerline technology may not work properly if both devices are not plugged into sockets on the same phase (usually on the same floor).
FREQUENTLY ASKED QUESTIONS

IF I AM NOT SUBSCRIBED TO THE PVR SERVICE, CAN I VIEW VIDEO ON DEMAND?

No. You must have the PVR service enabled in order to enjoy the Video On Demand service. Please call 1300 82 3838 to subscribe.

WHAT IS THE RECOMMENDED BROADBAND SPEED FOR VOD?

Astro recommends that your broadband download speed should be at least 5 Mbps for optimum performance. At the minimum speed of 1 Mbps you will have to wait for a considerable time before your video is downloaded and ready to view.

CAN I USE A MOBILE BROADBAND CONNECTION TO DOWNLOAD VOD?

We strongly recommend that you do NOT use mobile broadband because of the low speed and limited data allowances.

I HAVE A BROADBAND INTERNET CONNECTION BUT I DON’T HAVE A GATEWAY OR ROUTER. CAN I STILL USE THE VOD SERVICE?

No. In order to enjoy the VOD service, the Astro Byond PVR needs to be connected to a gateway or router. You may contact your Internet Service Provider for a router or alternatively, purchase one from any reputable computer store.

WHAT IS THE MAXIMUM CABLE LENGTH FOR A DIRECT ETHERNET CABLE CONNECTION?

The maximum length of an Ethernet cable is typically 100 metres.

CAN I GET ANY OTHER BRANDS/MODELS OF POWERLINE/HOMEPLUG ADAPTERS OTHER THAN THE ONES SPECIFIED?

You can get almost any brand/model as almost all Powerline Adapters conform to the HomePlug AV (200 Mbps) or IEEE P1901 (500 Mbps) standards.
WHAT WILL HAPPEN IF I PLUG ONE OR BOTH POWERLINE ADAPTERS INTO AN EXTENSION CORD OR POWER STRIP?

While the Powerline Adapters might still work, we don’t recommend you do this unless you have no free electrical sockets as doing so will reduce the quality of the Powerline connection.

I JUST PURCHASED A VIDEO. HOW LONG DO I HAVE TO WAIT BEFORE I CAN START WATCHING IT?

By default, the Astro B.yond PVR will inform you when your purchased video is ready for viewing. Provided you are not using your Internet connection for any other purpose, your estimated waiting time based on your broadband speed is as follows:

<table>
<thead>
<tr>
<th>Broadband Speed</th>
<th>20 MIN SD VIDEO</th>
<th>20 MIN HD VIDEO</th>
<th>90 MIN SD VIDEO</th>
<th>90 MIN HD VIDEO</th>
</tr>
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<tbody>
<tr>
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<td>10 SECONDS</td>
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</tr>
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<td>2 MINUTES</td>
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<tr>
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<td>20 MINUTES</td>
<td>2 HOURS</td>
<td>6 HOURS</td>
<td>12 HOURS</td>
</tr>
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</table>

Listed waiting times are approximate and are not intended as a service guarantee. Waiting times will be subject to fluctuations in your broadband speed.