

# Retailer Guide to Over-the-Air Digital Television Transition

**Welcome to the digital TV guide for retailers, produced by the Bureau Telecommunicatie en Post (BT&P).**

This guide is designed to help you and your store personnel prepare for the transition to over-the-air (OTA) digital TV that is now being broadcast. In this guide we will provide you with essential information about the OTA digital TV system that has been adopted by the Bureau Telecommunicatie en Post (BT&P), the types of receivers required to tune into the new broadcasts, and ways in which you can help your customers make informed decisions about buying new equipment to receive the clear pictures and sound that digital TV delivers.

## How to Use this Guide

We've divided the Guide into two main sections. The first section is written for store owners and TV buyers. It will provide you with some practical and technical information about the broadcasts, the types of TVs and other tuners that receive the broadcasts, and how you can find these new TVs and receivers for your stores. This section provides you with a table that lists TVs that work with the new system. The table will also provide you with information on features and pricing.

The second section is written to help you and your store personnel guide your customers in making the right buying decisions when purchasing a new TV/receiver. Here we offer you a simple explanation you can share with your customers that will give them the essential information needed to be ready to receive the new digital broadcasts. In addition, we provide you with a Frequently Asked Questions (FAQ) section that anticipates some questions consumers may have when buying a new TV or other receiver.



# Overview of the OTA Digital TV System

The BT&P chose the world's most widely deployed OTA digital TV transmission standard, Digital Video Broadcast – Terrestrial (DVB-T), for the transition to digital TV. DVB-T is a member of the DVB family of transmission technologies that bring digital satellite, cable and terrestrial transmissions to millions of digital TVs, set-top boxes (STBs) and other receivers around the world.

Although DVB-T is deployed in many world regions, the greatest numbers of DVB-T broadcasts occur in Europe. Closer to home, DVB-T is used by broadcasters in several South and Central American and Caribbean countries. The technology has been widely used and optimized over a period of more than 12 years. That legacy enables broadcasters and consumers alike to keep their costs to a minimum.



Within the DVB-T transmission standard the BT&P chose a set of technical specifications so TV broadcasts and the TVs work with the same technologies. It's important to know the key specifications to make sure consumers get the right receivers. Below is list of those key specifications:

- MPEG-2 video coding. MPEG-2 is a standard video compression technology that is used for digital video TV services and devices all over the world. Current OTA digital TV broadcasts in Curacao use this type of video compression. Some TVs and other receivers also include the MPEG-4 AVC video compression standard, which is the second-generation after MPEG-2. To date, all TVs and STBs that can play back programs encoded in MPEG-4 AVC can also play back programs encoded with the MPEG-2 standard. When local broadcasters upgrade to the MPEG-4 AVC standard, these receivers will be able to decode the programs.
- High Definition Multimedia Interface (HDMI) connector. HDMI provides a high-speed digital connection between TVs, STBs and other devices, for high definition (HD) video.
- Analogue video and audio (Left & Right) using RCA connection (Composite AV - yellow, red, white) between STB and TV can be used for older TV-sets without HDMI input.
- Antenna specifications. VHF and UHF antennas will work in most locations. Because the DVB-T system operates in the UHF band, a VHF antenna that is a long distance from the transmitter site may not receive the signal. In this case, (directional) UHF and/or an amplified antenna may be required.



- Frequency range: (UHF) 470-698 MHz. Most digital receivers on the market today will tune up to 862 MHz. However, cut-off at 698 MHz is mandatory for STBs due to the Digital Divide for new mobile applications.
- The STB shall be either FCC or CE approved in order to comply with local regulations.
- Common Interface (CI) Conditional Access Module (CAM) is also specified for STBs so that consumers can access pay TV services that will be available in the future.

In Curacao, Telecuracao is now broadcasting in the new DVB-T format, as well as continuing to broadcast in the NTSC analog format. Other broadcasters will follow soon. Local retailers are now providing STBs that can receive the digital channels which carry the same programming as the analog national channel. In addition, Telecuracao is broadcasting two additional channels with extra programming.

There will be a transition period for other broadcasters to start broadcasting in the new digital format before they must stop broadcasting their analog channels. This gives broadcasters time to install the new broadcast equipment, make technical changes to their programs, and test the new system. For now, existing broadcasters that transmit a digital channel will continue to provide the analog channel so all residents will be able to watch all local OTA channels with existing TVs or new TVs. Once the analog broadcasts cease, residents must have a DVB-T receiver to get local OTA channels.

## TVs, STBs and Other Receivers

There are several ways in which viewers can receive the new digital channels. All require a new device (STB, TV, or PC tuner). To tune into the new digital channels, viewers can attach a DVB-T STB to their existing televisions. When purchasing a new television, however, viewers will want a TV set that can tune into both the analog channels and the digital channels. Because the local system works with a combination of NTSC analog transmissions and DVB-T digital transmissions, you will want to make this combination set available to your customers.

There are dozens of DVB-T STBs available on the market that will simply tune into the digital channels and display on an existing TV set. They are made by large and small STB suppliers such as Sagem, Samsung, ADB, and dozens of others.

The table on the next page is a list of the some of the TV sets that will work with the local system. Most of the Integrated Digital TVs (IDTVs) in the table include HDMI connectors and CI CAMs.

# Compliant Digital TVs and Receivers

Compliant Digital TVs and Receivers						
Receiver	Type	Wholesale \$	Suggested Retail (USD)	Main Features	Buying Source	Contact Information
<b>IDTVs</b>						
<b>Hongdi Trade Co.</b>						
Hongdi Trade Co. Seven Series Plasma	IDTV	N/A	N/A	42-, 46-, 50-, 63-inch plasma screen size available   1 HDMI, 1 USB	Direct from Manufacturer	<a href="http://hongdi2009.en.made-in-china.com">http://hongdi2009.en.made-in-china.com</a>

<b>Huiguan Digital Technology</b>						
Huiguan Digital Technology LC1618 Series	IDTV	\$95/unit (1,950 unit min. order)	N/A	16-inch LCD TV	Direct from Manufacturer	<a href="http://www.huiguan-kj.com/">www.huiguan-kj.com/</a>
Huiguan Digital Technology LC3218A	IDTV	\$279(500 unit min order)	N/A	32-inch LCD TV (also available in 20-31-inch sizes)   HDMI built to order	Direct from Manufacturer	

<b>LG</b>						
<b>TND-to-USD</b>						
LG42LV4500	IDTV	N/A	\$1,270	32-inch LED, 1HDMI, 1 USB	Direct from Manufacturer	<a href="http://www.lg.com/tw">www.lg.com/tw</a>
LG 47LV4500	IDTV	N/A	\$1,790	47-inch LED, HDMI, 1 USB	Direct from Manufacturer	
LG 55LW5700	IDTV	N/A	\$3,200	55-inch LED, 3D, 4 HDMI, 1 USB	Direct from Manufacturer	
LG 65LW6500	IDTV	N/A	\$6,500	65-inch LED, 3D 4HDMI, 1 USB	Direct from Manufacturer	
LG 47LW5700	IDTV	N/A	\$2,280	47-inch LED, 3D, 4 HDMI, 1 USB	Direct from Manufacturer	
LG 42LW5700	IDTV	N/A	\$1,986	42-inch LED, 3D, 4HDMI, 1 USB	Direct from Manufacturer	
LG 55LV5500	IDTV	N/A	\$2,370	55-inch LED, HDMI, 1 USB	Direct from Manufacturer	
LG32LK330	IDTV	N/A	\$453	32-inch LCD, HDMI, 1 USB	Direct from Manufacturer	

**Compliant Digital TVs and Receivers**

Receiver	Type	Wholesale \$	Suggested Retail (USD)	Main Features	Buying Source	Contact Information
<b>IDTVs</b>						
<b>LG</b>						
<b>TND-to-USD</b>						
LG 32LK450	IDTV	N/A	\$486	32-inch LCD, HDMI, 1 USB	Direct from Manufacturer	www.lg.com/tw
LG 32LV2500	IDTV	N/A	\$583	32-inch LED, 2 HDMI, 1 USB	Direct from Manufacturer	
LG 32LV3500	IDTV	N/A	\$649	32-inch LED, HDMI, USB	Direct from Manufacturer	
LG 37LK450	IDTV	N/A	\$640	37-inch LCD, HDMI, 1 USB	Direct from Manufacturer	
LG 37LV3500	IDTV	N/A	\$812	37-inch LED, 2 HDMI, 1 USB	Direct from Manufacturer	
LG 42LK450	IDTV	N/A	\$779	42-inch LCD, 1 HDMI, 1 USB	Direct from Manufacturer	
LG 42LV3500	IDTV	N/A	\$975	42-inch LED, 1 HDMI, 1 USB	Direct from Manufacturer	
LG 32LE4300	IDTV	N/A	\$649	32-inch LED, 3 HDMI, 1 USB	Direct from Manufacturer	
LG 42LE4300	IDTV	N/A	\$1,008	42-inch LED, 3 HDMI, 1 USB	Direct from Manufacturer	
LG 47LE4500	IDTV	N/A	\$1,628	47-inch LED, 3 HDMI, 1 USB	Direct from Manufacturer	
LG 55LE4500	IDTV	N/A	\$2,117	55-inch LED, 3 HDMI, 1 USB	Direct from Manufacturer	
LG 22LE5300	IDTV	N/A	\$323	22-inch LED, 2 HDMI, 1 USB	Direct from Manufacturer	
LG 26LE5300	IDTV	N/A	\$486	26-inch LED, 2 HDMI, 1 USB	Direct from Manufacturer	
LG 42LE8500	IDTV	N/A	\$1,856	41-inch LED, 1 HDMI, 1 USB	Direct from Manufacturer	
LG 47LD650	IDTV	N/A	\$1,562	47-inch LCD, 1 HDMI, 1 USB	Direct from Manufacturer	

**Compliant Digital TVs and Receivers**

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**IDTVs**

**LG**

**TND-to-USD**

LG 47LE8500	IDTV	N/A	\$2,933	47-inch LED, 1 HDMI, 1 USB	Direct from Manufacturer	www.lg.com/tw
LG 55LD650	IDTV	N/A	\$1,987	55-inch LCD, 1 HDMI, 1 USB	Direct from Manufacturer	
LG 32LE5500	IDTV	N/A	\$812	32-inch LED, 1HDMI, 1 USB*	Direct from Manufacturer	
LG 42LE5500	IDTV	N/A	\$1,138	42-inch LED, 1 HDMI, 1 USB	Direct from Manufacturer	
LG 55LE5500	IDTV	N/A	\$2,443	55-inch LED, 1 HDMI, 1 USB	Direct from Manufacturer	

**Panasonic**

Panasonic TX-P50C10	IDTV	N/A	N/A	50-inch plasma; full HD, 2HDMI	Direct from Manufacturer	
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**Samsung**

**TND-to-USD**

Samsung UA60D800YM	IDTV	N/A	\$4,898	60-inch LCD, 3D, 4 HDMI 1.4, 3 USB,	Direct from Manufacturer	www.samsung.com/tw
Samsung UA55D800YM	IDTV	N/A	\$3,275	55-inch LCD, 3D, 4 HDMI 1.4, 3 USB	Direct from Manufacturer	
Samsung UA46D800YM	IDTV	N/A	\$2,000~\$3,200	46-inch LCD, 3D, 4 HDMI 1.4, 3 USB,	Direct from Manufacturer	
Samsung UA 55D6600WM	IDTV	N/A	\$2,000~\$3,200	55-inch LCD, 3D, 4 HDMI 1.4, 3 USB	Direct from Manufacturer	
Samsung UA45D6600WM	IDTV	N/A	\$2,000~\$3,200	46-inch LCD, 3D, 4 HDMI 1.4, 3 USB	Direct from Manufacturer	
Samsung UA46D6600WM	IDTV	N/A	\$2,000~\$3,200	46-inch LCD, 4HDMI, 3 USB,	Direct from Manufacturer	
Samsung UA46D6400UM	IDTV	N/A	\$1,000~\$2,000	46-inch LCD, 4HDMI, 3 USB,	Direct from Manufacturer	

**Compliant Digital TVs and Receivers**

Receiver	Type	Wholesale \$	Suggested Retail (USD)	Main Features	Buying Source	Contact Information
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**IDTVs**

**Samsung**

**TND-to-USD**

Samsung UA40D6400UM	IDTV	N/A	\$1,000~\$2,000	40-inch LCD, 4HDMI, 3 USB	Direct from Manufacturer	www.samsung.com/tw
Samsung UA55D6000SM	IDTV	N/A	\$1,000~\$2,000	55-inch LCD, 4HDMI, 3 USB	Direct from Manufacturer	
Samsung UA46D6000SM	IDTV	N/A	\$1,000~\$2,000	46-inch LCD, 4HDMI, 3 USB,	Direct from Manufacturer	
Samsung UA40D6000SM	IDTV	N/A	\$1,000~\$2,000	40-inch LCD, 3D, 4 HDMI, 3 USB	Direct from Manufacturer	
Samsung UA32D6000SM	IDTV	N/A	\$1,000~\$2,000	32-inch, 3D, 4 HDMI, 3 USB	Direct from Manufacturer	
Samsung UA40D5550RM	IDTV	N/A	\$1,000~\$2,000	40-inch, 4 HDMI, 2 USB	Direct from Manufacturer	
Samsung UA32D5550RM	IDTV	N/A	>\$1,000	32-inch, 4 HDMI, 2 USB	Direct from Manufacturer	
Samsung LA40C650L1M	IDTV	N/A	\$1,000~\$2,000	40-inch LCD, 4HDMI, 2 USB	Direct from Manufacturer	

**Sharp**

Sharp AQUOS LC-60LX1T	IDTV	N/A	N/A	60-inch LED, 3D, HDMI, USB	Direct from Manufacturer	www.sharp-scot.tw
Sharp AQUOS LC-52LX1T	IDTV	N/A	N/A	52-inch LED, 4 HDMI, USB	Direct from Manufacturer	
Sharp AQUOS LC-46LX1T	IDTV	N/A	N/A	46-inch LED, 4 HDMI, USB	Direct from Manufacturer	
Sharp AQUOS LC-40LX1T	IDTV	N/A	N/A	40-inch LED, HDMI, USB	Direct from Manufacturer	
Sharp AQUOS LC-46AE6T	IDTV	N/A	N/A	46-inch LCD, 3 HDMI, USB	Direct from Manufacturer	

**Sony**

**Colombia-to-USD**

Sony KDL-46EX727	IDTV	N/A	\$1,273.00	52-inch LED, LCD 4 HDMI, 1 USB	Direct from Manufacturer	www.sony.com.co
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**Compliant Digital TVs and Receivers**

Receiver	Type	Wholesale \$	Suggested Retail (USD)	Main Features	Buying Source	Contact Information
<b>IDTVs</b>						
<b>Sony</b>						
<b>TND-to-USD</b>						
Sony KDL-32EX727	IDTV	N/A	\$815.00	46-inch LED LCD 4 HDMI, 1 USB	Direct from Manufacturer	www.sony.com.co
Sony KDL-40EX527	IDTV	N/A	\$856	52-inch LED LCD, 4 HDMI, 1 USB	Direct from Manufacturer	
Sony KDL-32EX527	IDTV	N/A	\$662	46-inch LED LCD 4 HDMI, 1 USB	Direct from Manufacturer	
Sony KDL-32EX427	IDTV	N/A	\$560	40-inch LED LCD, 4 HDMI, 1 USB	Direct from Manufacturer	
Sony KDL-40CX527	IDTV	N/A	\$763	32-inch LED LCD, 4 HDMI, 1 USB	Direct from Manufacturer	
Sony KDL-22BX327	IDTV	N/A	\$305	46-inch LED LCD 4 HDMI, 1 USB	Direct from Manufacturer	
Sony KDL-32BX327	IDTV	N/A	\$407	40-inch LED LCD, 4 HDMI, 1 USB	Direct from Manufacturer	
Sony KDL-32BX328	IDTV	N/A	N/A	32-inch LCD, 4 HDMI, 1 USB	Direct from Manufacturer	
Sony KDL-32BX427	IDTV	N/A	\$458	32-inch LCD, 4 HDMI, 1 USB	Direct from Manufacturer	
Sony KDL-32CX527	IDTV	N/A	\$560	46-inch LCD, 4 HDMI, 1 USB	Direct from Manufacturer	
Sony KDL-32EX727	IDTV	N/A	\$825	40-inch LCD 4 HDMI, 1 USB	Direct from Manufacturer	
Sony KDL-40BX427	IDTV	N/A	\$610	32-inch LCD, 4 HDMI, 1 USB	Direct from Manufacturer	
Sony KDL-40NX727	IDTV	N/A	\$1,273	40-inch LCD, 4 HDMI 1 USB	Direct from Manufacturer	
Sony KDL-46EX527	IDTV	N/A	\$1,121	32-inch LCD, 4 HDMI, 1 USB	Direct from Manufacturer	



## Compliant Digital TVs and Receivers

Receiver	Type	Wholesale \$	Suggested Retail (USD)	Main Features	Buying Source	Contact Information
<b>IDTVs</b>						
<b>Sony</b>						
<b>TND-to-USD</b>						
Sony KDL-46NX727	IDTV	N/A	\$1,782	HD, DLNA network, USB media player	Direct from Manufacturer	www.sony.com.co
Sony KDL-55EX727	IDTV	N/A	\$2,550	40-inch LCD, DLNA, USB media player	Direct from Manufacturer	
<b>ViewSonic</b>						
ViewSonic VT4250 N	IDTV	N/A	\$730	42-inch LED, 3 HDMI, 2 USB	Direct from Manufacturer	www.viewsonic.com.tw
ViewSonic VT2230N	IDTV	N/A	\$255	21-inch LCD, 1 HDMI	Direct from Manufacturer	
ViewSonic VT4276N	IDTV	N/A	\$783	42-inch LCD, 2 HDMI, 1 USB	Direct from Manufacturer	
ViewSonic VT3276N	IDTV	N/A	\$589	31.5-inch LCD, 2 HDMI, 1 USB	Direct from Manufacturer	
ViewSonic VT3776-NT	IDTV	N/A	\$771	37-inch LCD, 2 HDMI, 1 USB	Direct from Manufacturer	
ViewSonic VT3745-NT	IDTV	N/A	\$594	37-inch LCD, 2 HDMI, 1 USB	Direct from Manufacturer	
ViewSonic VT3245-NT	IDTV	N/A	\$490	31.5-inch LCD, 2 HDMI, 1 USB	Direct from Manufacturer	
ViewSonic VT3252	IDTV	N/A	N/A	32-inch LCD, 4 HDMI, 1 USB	Direct from Manufacturer	
ViewSonic VT3250	IDTV	N/A	\$486	32-inch LED, 3 HDMI, 2 USB	Direct from Manufacturer	
ViewSonic VT4250	IDTV	N/A	\$780	42-inch LED, 3 HDMI, 2 USB	Direct from Manufacturer	
ViewSonic VT3235	IDTV	N/A	\$466	32-inch LED, 2 HDMI, 2 USB	Direct from Manufacturer	
ViewSonic VT4235	IDTV	N/A	\$747	42-inch LED, 2 HDMI, 2 USB	Direct from Manufacturer	

The table below lists some distributors that service the Caribbean.

Distributors		
Name	URL	Phone Number
Brooke Distributors	<a href="http://brookedist.com/index.asp">http://brookedist.com/index.asp</a>	800-275-8792
D&H Distributing	<a href="http://www.dandh.com">www.dandh.com</a>	800-340-1001
Jair Corporation	<a href="http://www.jaircorp.com">www.jaircorp.com</a>	305-594-7361
Jahm International	<a href="http://www.jham.com">www.jham.com</a>	305-591-5800
New Age Inc.	<a href="http://www.newageinc.com">www.newageinc.com</a>	800-947-5974
Precision Trading	<a href="http://www.precisiontrading.com">www.precisiontrading.com</a>	305-592-4500
SED International	<a href="http://www.sedonline.com">www.sedonline.com</a>	800-444-8962
Suma Distributors	<a href="http://www.sumadistributors.com">www.sumadistributors.com</a>	305-470-9429

## Helping Customers Prepare for New Digital TV Broadcasts

All TV viewers have been used to the current analog systems for many years, so most will need guidance when deciding on what kind of equipment to buy to receive local OTA digital channels. The bullet points below outline the most basic facts consumers should know. Immediately below the bullet points is a FAQ section that provides more detailed information.

- The BT&P has adopted a new TV standard that allows you to view local TV channels in high-quality digital pictures and sound. Some broadcasters are already making the digital channels available and others are preparing to make them available soon.
- To get the new OTA digital channels, viewers must acquire a new receiver. It can be a STB that connects to an existing TV or it can be a new TV that has an integrated DVB-T receiver inside.
- To receive both analog and digital channels on a new TV set, viewers will need a TV that has both an analog (NTSC) and digital TV (DVB-T) receiver built inside the TV set.
- Viewers can continue to watch all existing OTA TV channels with their existing equipment until local broadcasters stop analog broadcast in the distant future.

## Frequently Asked Questions (FAQ)

### Q. How do I get the new OTA digital channels?

**A.** Because the digital channels use different technology than that of the current analog channels, you will need a new receiver (STB or TV) to get the digital channels. You will not be able to receive the OTA digital channels through your satellite TV service; only with a new receiver and a TV antenna.

### Q. Why should I want to get the OTA digital channels?

**A.** Digital TV offers much sharper pictures and sound than is possible with analog TV. Because more picture and sound “information” can be squeezed into a single channel, the TV set displays the picture in a higher resolution resulting in clearer pictures similar to that of DVDs. When broadcasters use all of their capacity to transmit a digital program, viewers with high-definition receivers and displays get the highest-resolution sound and picture available.

With digital, a broadcaster may also choose to broadcast more than one channel in the same amount of space that it is now broadcasting its analog channel. Eventually, viewers may get a greater number of channels than they do today. Also, as more and more programs are available on the Internet and mobile phones, digital helps prepare your local broadcasters to provide programs through different streams and to different devices.

There are some important differences between how the TV receives a digital signal and how it receives an analog signal. With analog TV you may receive some channels that don't display as clear of a picture as others, but you can still watch these channels if you don't mind some picture degradation (snowy picture, ghosting and noisy audio). You won't see or hear these things when you receive a digital channel. But, if your antenna isn't powerful enough, or you are far away from the TV transmitter, you may experience a “cliff effect.” Because digital TV speaks the precise language of ones and zeros, your TV/STB won't tune into the station if the signal isn't strong enough. In other words, in those cases there will be no picture, or there may be a picture but it may eventually “fall off the cliff” if the signal fades. In most cases this problem can be solved with a more robust antenna. Antennas are available at your local retailer.

### Q. Will I be able to watch *all* of my favorite local TV programs?

**A.** Yes. TV stations that send out a digital channel are showing all the same programs at the same time as on their analog channel. For TV stations that haven't started a new digital channel, nothing has changed and their programs and times remain the same. If you have a new digital receiver the only difference you will notice is that some channels will have improved pictures and sound.

Depending upon which island you live, you may watch TV stations that are in Venezuela. The new local digital TV systems won't interfere with you watching Venezuelan TV for now.



That will change, however, in the future when Venezuela plans to turn off all of its analog channels. Because Venezuela and the local islands are using different OTA digital TV systems, TVs compatible with the standard the BT&P has adopted (DVB-T) will not be compatible with the standard adopted by Venezuela (ISDB-T). At that point, Venezuelan channels may be received by satellite TV or cable-TV provider.

The local government/BT&P may decide to rebroadcast/repeat Venezuelan channels on one or more DTV channels.



**Q. Do I have to buy a new TV or a set-top box?**

**A.** For now, you only need to buy a new DVB-T TV or STB if you want to receive the digital channels. You can continue to watch all your TV channels with your existing TV because all broadcasters are continuing to transmit their programs on their analog channel. But in the distant future the broadcasters will stop transmitting their programs with analog technology and will only broadcast digitally. If you want to

keep watching all your local TV channels, you will need a new DVB-T digital TV or STB when that happens.

**Q. What do I do if I want to watch the digital channels and the analog channels?**

**A.** You have two choices. You can purchase a STB that receives the digital channels and connect it to your existing TV, which already receives all the analog channels. Or, you can buy a new digital TV that can receive the analog (NTSC) and digital (DVB-T) channels. For this option, no STB is required.

**Q. How much will a digital STB, TV or other receivers cost?**

**A.** A digital STB that connects to your existing TV will cost anywhere from about NAF. 80 to NAF. 150 for a box with extra features.

IDTV costs will vary based on the size and type of the display, the brand, and other features such as HD or 3D capability. Prices can be as low as about NAF. 500 and as high as NAF. 10,000.

There are also aftermarket PC tuners that will work with the BT&P system and cost as little as NAF. 40 and as much as NAF. 400 and can be connected to a PC with a USB port and sufficient processing power.

**Q. If I'm now getting my TV channels using an antenna, do I need to buy a new antenna to get the digital channels? If I do need a new antenna, how do I know what to buy?**

**A.** In most cases an existing outdoor antenna will receive the digital channels and you won't need to replace the antenna. If you are a long way from the transmitter site it's possible that you may need to replace your existing antenna. In that case, a (directional) UHF antenna may be the best choice to make.

Digital channels can be received on indoor antennas, as well. As with outdoor antennas, your existing indoor antenna may work, but if you are having reception difficulties a roof top (directional) UHF antenna may be necessary.

A variety of antennas with different features and technology can be found on the market, including (adjustable) active gain antennas for indoor and outdoor use. Transmission will take place from 3 predetermined sites, which are Seru Pretu, Seru Cocori and Seru Gracia. Depending on where you live you should direct antennas to the nearest transmission site with visible line of site.

**Q. How do I hook up my digital STB?**

**A.** Connecting your digital STB is relatively simple, but each hook-up will be different depending upon which kind of STB you buy. All will come with instructions on how to connect the box to your TV and retail store personnel can also advise you on installation.

