

**Connects
wired devices to
a Wi-Fi network
easily**

Connects the Set-Top Box to the Internet

Air 4400 has been developed to address the major request of most satellite and terrestrial operators – to connect the satellite/terrestrial STB to the Internet and thus enable their subscribers to access their on-line services such as Video-on-Demand (VOD), catch-up TV, and interactive services, with no change in the hardware and little-to-no change in the software of the STB already deployed in the home.

Air 4400 is a perfect complement to existing services and installed devices. User can access additional online services, VOD and catch-up TV, via the STB they already own. Operators can increase their ARPU and reduce churn, with additional services enabled on the deployed base.

Air 4400 is extremely easy to install, which obviates the need for home visits and reduces the customer support calls the operator receives.

Air 4400 self-maintains. Air 4400 automatically upgrades itself when needed, by detecting when a new firmware is available, and automatically downloading and installing it.



Customer Self-Installs

No need to change existing STB or home router.

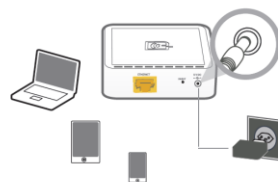
Operators do not need to provide complementary equipment. There is absolutely no need for technician support to install the Air4400 in the home. STB owners only need to follow a few simple, intuitive steps to set-up the entertainment system in their homes.

The installation is easy.

If the home gateway has WPS, users can simply connect the Air 4400 to the home gateway via touch of two WPS buttons on these devices.



If the home gateway does not have WPS, users can easily connect Air 4400 to the home gateway using a mobile phone, tablet or laptop. Air 4400 will serve as an access point during the setup. Users can simply connect to the "AirTies_Air4400" wireless network from the wireless settings of their mobile device and follow the steps in the browser window that is launched automatically.



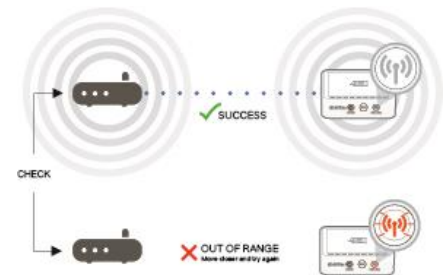
Once connected to the home network, users can complete the installation, connecting the STB and Air 4400 via the Ethernet cable



Locating Wireless Connector: Informative LEDs

In addition to the warnings displayed on the TV screen, the LEDs on the Air 4400 indicate whether the connection to the home network is successful.

The LEDs also assist the user in setting-up the Wireless Connector in a location where it can be effective. The LEDs indicate weak wireless signal when the connection to the home gateway is weak, upon which the user can take an action instead of seeking an explanation for their bad user experience at the operator's support center.



Works in All Homes with a Wi-Fi Gateway

The system is simple.

Air 4400 connects to existing home gateways' Wi-Fi therefore there is no need for a pair of Air 4400. Unlike alternative technologies such as PLC which require a pair of devices to connect STBs to internet, a single Air 4400 wireless connector addresses the need in a cost effective way for operators.

Interoperable with all router types

Air 4400 can connect to any home gateway that supports Wi-Fi. Air 4400 is Wi-Fi certified and connects to any Wi-Fi home gateway in wireless station mode.

Better than USB-attached solutions

While the USB-attached wireless dongles can also help to connect the home STB to the home network, they use the resources (CPU, memory) on the STB; these devices are prone to a risk of failing to provide the seamless video or real-time interactive experience to the user (depending on the STB hardware). In addition, USB ports of most STBs are at the back of the device, causing the antenna pattern of the attached USB dongle to cover unintended spots (walls) and fail to cover intended regions (living room). Last but not least, USB-based solutions always require software changes on the deployed equipment, which is not desirable to most operators.



Technical Specifications

Main Properties

- **N-speed** : 802.11n standard compliant, speeds up to 300 Mbps
- **AirTies MESH Technology**: Coverage problems and wireless quality issues can be solved by creating a MESH network
- **Energy Efficient**: Comply with European Code of Conduct
- **WPS (Wi-Fi Protected Setup)**: Simple setup button to securely connect supported devices.
- **Wireless Access range and Mesh Technology**: AirTies Mesh Technology support for extending coverage area by using additional AirTies wireless access point devices.
- **Extending Wireless Coverage at the Touch of a Button**: With WPS technology, it is now very simple to setup an AirTies Mesh Network and extend wireless coverage area.
- **Universal Repeater**: Repeats the signal of the existing Wireless Access Point.
- **AirTies Captive Portal**: HTTP based protocol to allow setup from the attached device.
- **Remote Management**: Auto-provisioning of LAN, and WAN setting via CWMP (TR-069, TR-098, TR-111) support. Also supports, Web, Remote Management and Telnet. AirTies products are certified by ACS vendors such as Alcatel Motive, Consona-Supportsoft
- **MSSID (Multi SSID)**: Multiple SSIDs can be created to allow different users access to the Internet / network
- **Advanced Wireless Security**: WPA2-PSK, WPA2-802.1x, WPA-PSK, WPA-802.1x
- **Automatic Firmware Upgrade**: Automatic firmware upgrade capability with http upgrade, TR-069 ACS and the user interface. It is important to use the latest firmware to get the best possible performance out of your router.
- **Easy setup and management**: Universal Plug and Play (UPnP), Zero-config
- **Continuous Technical Support**: 24 / 7 AirTies Technical Support from AirTies support team.

Technical Properties

- **Ports**: Power (5V, 1A DC), 1 x 10/100 Ethernet (RJ-45, auto MDI/MDIX)
- **Chipset**: Broadcom 5357
- **Memory**: 8MB Flash, 23 MB RAM
- **LEDs** : Power, Wireless, Ethernet, WPS
- **Buttons** : Reset, WPS
- **Wireless transmit power**: Max 20 dBm EIRP @ 2.4GHz
- **Wireless Security**: WPA (802.1x, TKIP, PSK), WPA2 (IEEE 802.11i, AES, CCMP), WEP (64/128 bit), MAC Filtering, Hidden SSID
- **Wireless Standard**: Compatible with IEEE 802.11b, 802.11g , 802.11n, 802.11e, 802.11i
- **Frequency range**: ETSI 2400 MHz - 2483 MHz (13 channels with 3 not overlapping)
- **Wireless communication rates**: 1,2, 5.5, 6, 9, 11, 12, 24, 36, 48, 54, 72, 144, 150, 300
- UPnP Plug and Play compliant
- **Factory Settings**: Reset button to restore factory settings

Physical Properties

- **Size**: 90mm x 90mm x 25mm
- **Adaptor input**: between 100V and 240V AC
- **Working temperatures**: between 0°C and 40°C
- **Storage temperatures**: between -40°C and 70°C
- **Humidity**: between %10 and %90

Box Contents

- Air 4400 Wireless Connector
- 5V power adapter
- Ethernet cable
- Getting started guide

