



AT&T Business in a Box[®] BIB NextGen Quick Start Guide

Please ensure that you have set-up the equipment before the date scheduled with your AT&T Order Manager for Test and Turn Up of your service

What's in the Box

The following components are included in your router package:



AT&T Business in a Box® NextGen
Base Unit Router



Analog Breakout Box with Amphenol
Cable



Router power cable



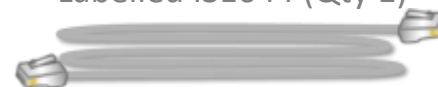
6 outlet power strip



Site Documentation
Package



RJ11 modem cable
Labelled ISE644 (Qty 1)



RJ48 T1 Cable
Labelled ISE642-025 (Qty 1-4)



RJ45 Coupler (Qty -1)

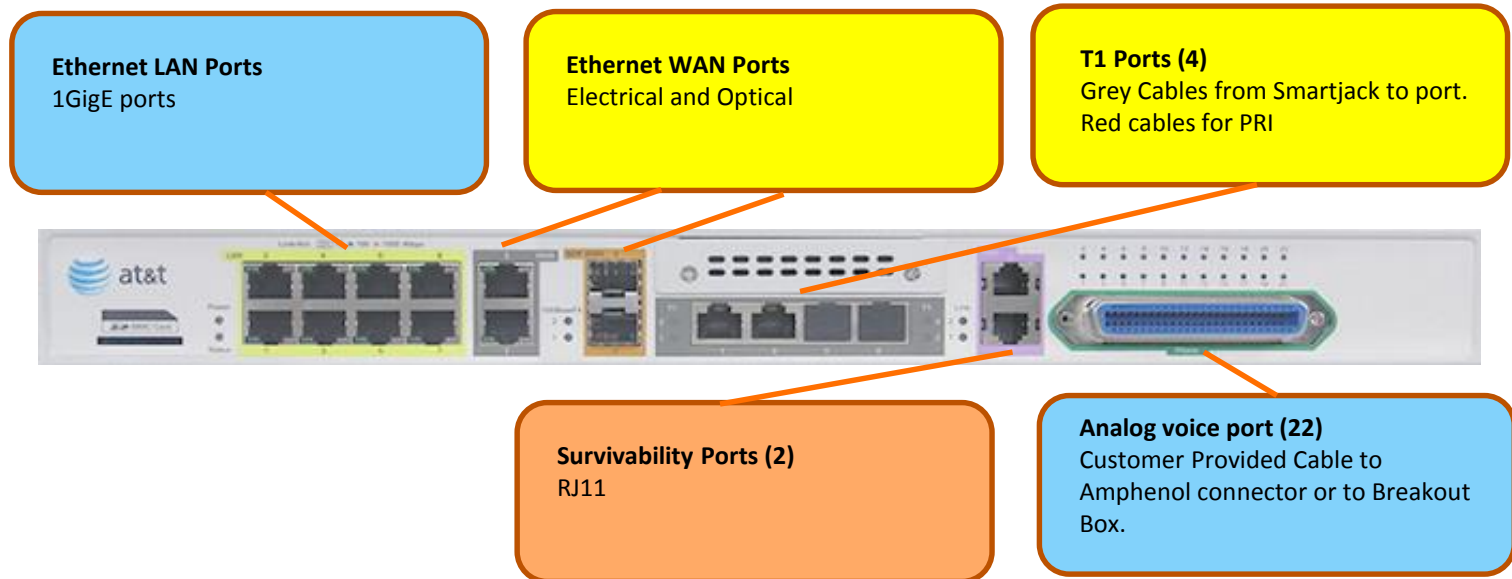


RJ45 T1 Loopback Plug
(Qty - 1)



Understanding your AT&T Business in a Box[®] Equipment

AT&T Business in a Box[®] NextGen Base Unit Router



Step 1 – Wall Mounting Instructions (optional to Rack Mounting)

The AT&T Business in a Box[®] router may be wall mounted on a $\frac{3}{4}$ " or thicker plywood backing. The unit is too heavy to be mounted to drywall. Use the two (2) rack-mount brackets, eight (8) bracket screws (included) and four (4) $1\frac{1}{2}$ " wood screws (not included).

Complete the following steps:

- 1) Position the device so that the front panel is facing down and apply the rack-mount brackets with bracket screws to each side as shown in Figure 1. Rack-mount bracket position.
- 2) Attach the bracket to $\frac{3}{4}$ " or thicker plywood backing using four (4) $1\frac{1}{2}$ " wood screws as shown in Figure 2. Rack-Mount bracket on plywood backing.

Important: Cables will flow down and should be dressed using a wire minder. The unit should be mounted high enough that the technician can see the status lights**. See Figure 3 Installation example.

** It is recommended, but not required that a skilled technician mount the router on the wall.

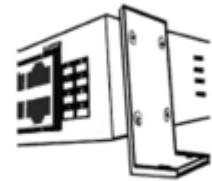


Figure 1. Rack-mount bracket position

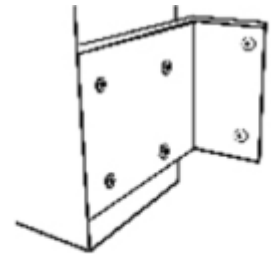


Figure 2. Rack-mount bracket on plywood backing

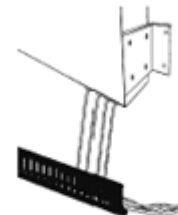
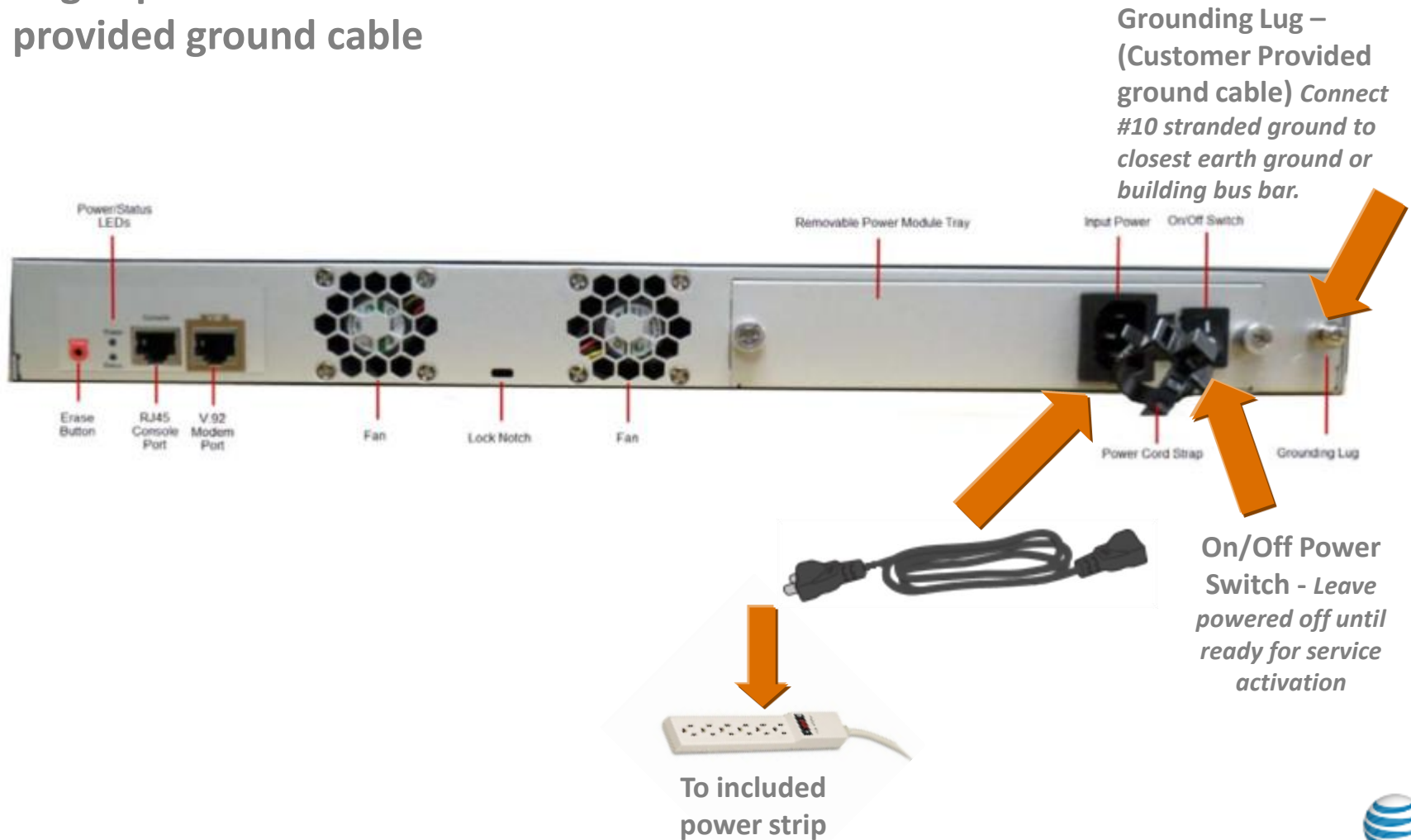


Figure 3. Installation example



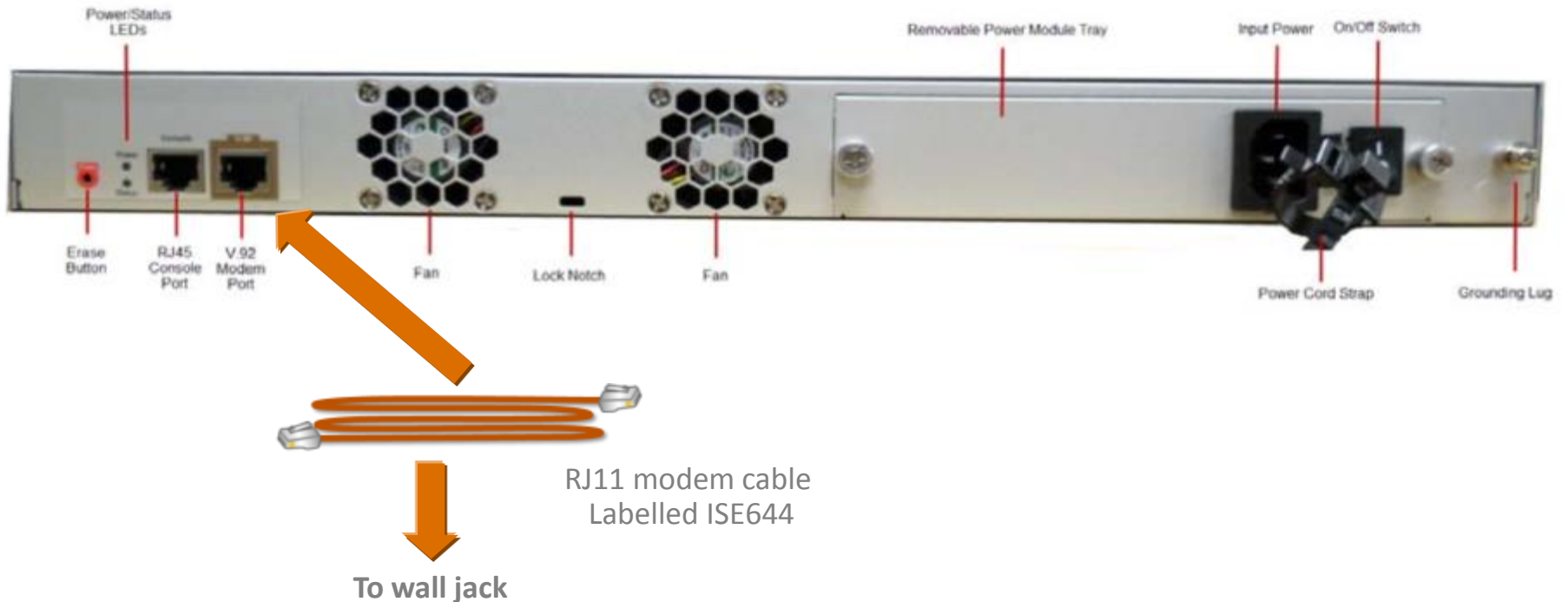
Step 2 - Attach Power Cord to Router and Proper Grounding

Plug in power cord to router and attach customer provided ground cable



Step 3 - Connect Analog POTS line to Internal Modem

Connect customer provided Analog POTS line from wall jack to the internal modem using the provided brown RJ11 cable.

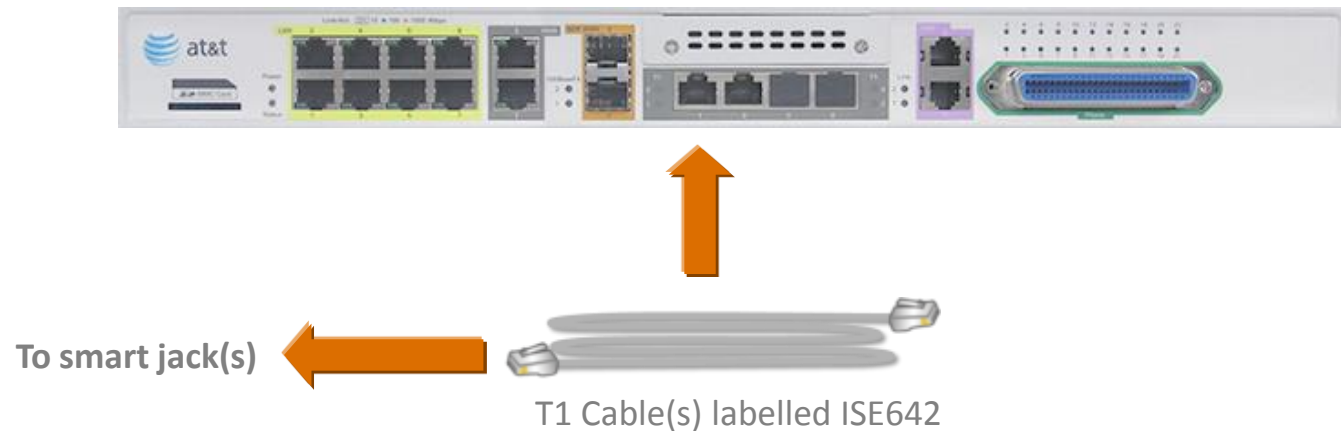


Note: The POTS line may be used in the turn-up of your service as well as by AT&T's Global Customer Service Center.



Step 3 - Connect Router to T1 Access Circuit(s)

Connect your T1 circuit(s) using the Grey T1 cable(s) to the port(s) labeled Port 1-4.

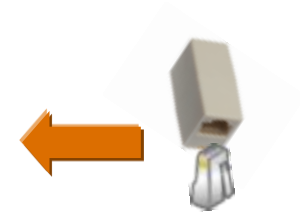


Note: Up to 4 T1's may be utilized. If using a single T1 then plug the T1 cable into port 1. A second T1 should be plugged into port 2, third into port 3 and fourth into port 4.



Step 4 – Attach RJ45 Coupler and RJ45 Loopback plug to router

Locate the RJ45 Coupler and RJ45 Loopback Plug



Locate the RJ45 Coupler and RJ45 Loopback Plug included in the shipping box. Place the Loopback plug in one side of the coupler, remove the adhesive tape from the side of the coupler and attach to the router. The coupler is a holder to ensure the loopback plug is easily locatable should it be needed to troubleshoot your service.



Step 5 - Connect Router to your Ethernet LAN Devices

Connect your Ethernet LAN devices (PC's, printers, servers, etc.) to the integrated Ethernet switch or per instructions in your Site Documentation Package.



Customer provide
RJ45 LAN Cable(s)

Note: If utilizing your own Ethernet switch/firewall behind the AT&T Business in a Box[®] then utilize only Port 2 to interconnect.

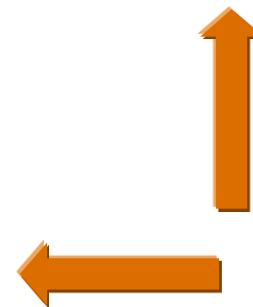


Step 6a - Connect Router to your Analog Key System

Connect to your Analog Key System and/or Fax per instructions in your Site Documentation Package.



To Key System



Customer provide Amphenol Cable connecting green analog ports to your 66 block or directly to your phone system if supported. Tighten the left screw on the Amphenol cable to the router.



Step 6a continued - Connect Router to your Analog Key System (Breakout Box Option)

Connect to your Analog Key System to the included Breakout Box per instructions in your Site Documentation Package.



Connect black Breakout Box to the BIB NextGen router with the included Amphenol Cable. When doing so, the correct end of the Amphenol cable should not cover the ports to the left of the Amphenol connector on the NextGen router and the cable should be routed towards the right. On the BIB NextGen router next use a screwdriver to tighten the screw on the left of the Amphenol cable.

The Amphenol cable will then connect to the back of the Breakout Box securely with the included hook and loop strap.

Connect your Key System or individual phones then directly to the RJ11 ports on the Breakout Box.



Step 6b – When needed to connect Router to your TDM PBX with PRI

Connect to your TDM PBX per instructions in your Site Documentation Package.



AT&T or customer provide PRI cable connecting the router to your PBX. Up to two PRI cables can be used. Last two ports can be used for PRI.



Step 6c – When needed to connect Router to your IP PBX

Connect to your IP PBX per instructions in your Site Documentation Package.



Customer provide Ethernet cable connecting the router to your IP PBX.



Step 7 (optional) - Connect Router to Analog POTS for Outbound Site Survivability

Connect up to 2 customer provided POTS lines to purple ports for outbound calling survivability.



To wall jack



Customer provide RJ11 Cable(s) connecting purple analog ports to customer provided POTS line(s)



AT&T Business in a Box[®] User Guide

AT&T Business in a Box[®] includes integrated IPsec VPN and Point to Point Tunneling Protocol for remote access capabilities available with your service. A User Guide is available to assist customers with logging into the device using a web browser and configuring to your needs.

