



Installation Instructions – Bizfon 7000



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TABLE OF CONTENTS

PACKAGING COMPONENTS	1
PARTS LIST	1
INSTALLATION	2
TABLE TOP OR SHELF PLACEMENT	2
RACK MOUNT INSTALLATION	2
WALL MOUNT INSTALLATION	2
POWER CONNECTION	3
TELEPHONY CONNECTIONS	3
<i>Local Area Network (LAN) Connection</i>	<i>4</i>
<i>Wide Area Network (WAN) Broadband Connection</i>	<i>4</i>
ACCESSORIES INSTALLATION.....	4
ADDING A FAX MACHINE	4
MUSIC AND PAGING.....	4
REGULATORY NOTICES	8
FCC PART 68.....	8
INDUSTRY CANADA.....	8
RADIO AND TELEVISION INTERFERENCE	9



Installation Instructions – Bizfon 7000

LIST OF FIGURES

Figure 1 – Rack Mount Bracket Installation	2
Figure 2 – Wall Mount Bracket Installation	2
Figure 3 – Ground Connection and Voltage Selection.....	3
Figure 4 – Example Bizfon Office Configuration	5
Figure 5 – Bizfon Server Rear and Front Panel Views	6



Installation Instructions – Bizfon 7000

PACKAGING COMPONENTS		
Quantity	Item	Part Number
1	Shipping Container	4410110
2	Foam End Caps	4430100
1	Protective Plastic Bag	4420100

PARTS LIST		
Quantity	Item	Part Number
1	Basic Bizfon 7000 server The following suffixes apply to the server part number depending on purchased options: <ul style="list-style-type: none">- MD Mirrored disk drive- BB Battery backup- GS Ground start	7000110



INSTALLATION

Remove all parts from the shipping container.

NOTE: Save all shipping and packaging materials. Verify all items against the parts list. If any items are missing, contact your distributor or Bizfon customer support at 1-877-603-4123 or www.bizfon.com.

Table Top or Shelf Placement

Install the four rubber feet on the bottom of the Bizfon server. Remove the paper backing from each rubber foot. Place one foot on the circle at each corner on the bottom of the chassis.

Rack Mount Installation

Place the brackets so that the smaller faces extend away from the front of the unit to accommodate installation into the rack (Figure 1).

Install the mounting brackets on each side of the server chassis using the four 8-32 flat head screws.

Proceed to the Power Connection instructions below and perform the steps appropriate for your installation before placing the system into the rack.

Install the server into the rack using appropriate hardware.

Wall Mount Installation

NOTES: Be sure there is enough clearance between the server's front and rear panels and any walls or other equipment to allow power, network, and telephony connections.

If installing a unit with the battery backup option, it is recommended that the unit be installed on the wall with the front panel facing up to accommodate the added weight.

Place the brackets so that the smaller faces are facing the bottom of the unit (Figure 2).

Install the mounting brackets on each side of the server chassis using the four 8-32 flat head screws.

Secure the unit to the wall using appropriate hardware.

WARNING: *The Bizfon7000 server must be securely mounted to the wall to avoid equipment damage or personal injury. Be sure to use suitable mounting hardware.*



Figure 1 – Rack Mount Bracket Installation



Figure 2 – Wall Mount Bracket Installation



Installation Instructions – Bizfon 7000

Power Connection

WARNING: Failure to follow the steps below may result in equipment damage, personal injury, and void the product warranty.

Connect the unit to ground using the chassis ground screw located next to the power receptacle on the rear panel.

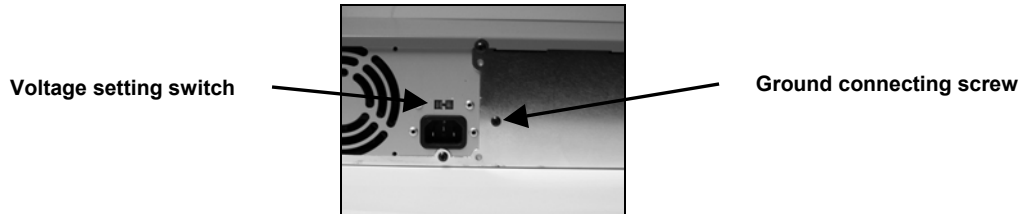


Figure 3 – Ground Connection and Voltage Selection

Be sure the voltage switch on the rear of the unit is set to the appropriate setting for your location. The unit is shipped in the United States with the switch set to 115 VAC.

Insert the female end of the power cord into the receptacle on the rear of the unit. Connect the other end to the power source. The Bizfon server will automatically begin to power up.

As the Bizfon server progresses through the power up sequence, the front panel lights will respond as follows (Figure 5):

Power	Lights steady green when the unit is ready.
Drive	Flickers as the power up sequence progresses.
Alert	Lights orange momentarily, then goes off.

Telephony Connections

Connect the RJ-11 cables from your telephone service provider's central office to the Outside Lines ports on the front panel starting with port number 1.

NOTES: A maximum of 9 central office lines can be connected to the Bizfon server using the standard loop-start or optional ground-start service.

If you have the optional Direct Inward Dialing (DID) service, begin making the central office connections at port 16 and work towards port 4 to maintain the option of using ports 4-9 as either internal extensions or central office lines.

Connect an analog telephone device to the Power Fail port on the front panel.

NOTE: This connection provides telephone service in the event the Bizfon server loses power or fails.

Analog Telephone Extensions

Connect the RJ-11 cables from each analog telephone to the Inside Phone Extensions ports on the front panel using the first available port beginning with port 4.

SIP Telephone Extensions

Connect the RJ-45 cables for each IP telephone to the Office Network ports on the front panel.

NOTE: Although the Office Network ports are labeled 1-4, connections can be made to any available port in any order.

If you have more IP telephones than can be accommodated by the available ports, you will need to use a switch to expand the connections to the server. Figure 4 shows an example of a Bizfon office network configuration.



Installation Instructions – Bizfon 7000

Local Area Network (LAN) Connection

Connect the RJ-45 cables for the PC network to the Office Network ports on the front panel (Figure 5). The green LED will come on indicating end-to-end connectivity and flicker indicating transmission activity. The amber LED indicates port speed: On = 100MB/S, Off = 10MB/S.

NOTE: Although the Office Network ports are labeled 1-4, connections can be made to any available port in any order.

Wide Area Network (WAN) Broadband Connection

Connect a cable from your broadband service modem to the WAN port on the front panel (Figure 5). The green LED will come on indicating end-to-end connectivity and flicker indicating transmission activity. The amber LED indicates port speed: On = 100MB/S, Off = 10MB/S.

NOTE: The WAN port can also be used to connect one Bizfon server to another through a LAN.

ACCESSORIES INSTALLATION

Adding a Fax Machine

Connect the RJ-11 cable from your fax machine to the first available analog port on the front panel. Refer to the *System Administrator's Guide – Bizfon 7000* to complete the setup and configuration.

Music and Paging

Music-on-Hold

Connect the output from your music system to the Bizfon server using the Line-in Audio Adapter cable provided with your Bizfon system. Insert the male cable end into the audio connector labeled "In" on the front panel (Figure 5).

Paging

Connect the Bizfon server to the input of your paging system using the audio connector labeled "Out" on the Bizfon server front panel (Figure 5).



Installation Instructions – Bizfon 7000

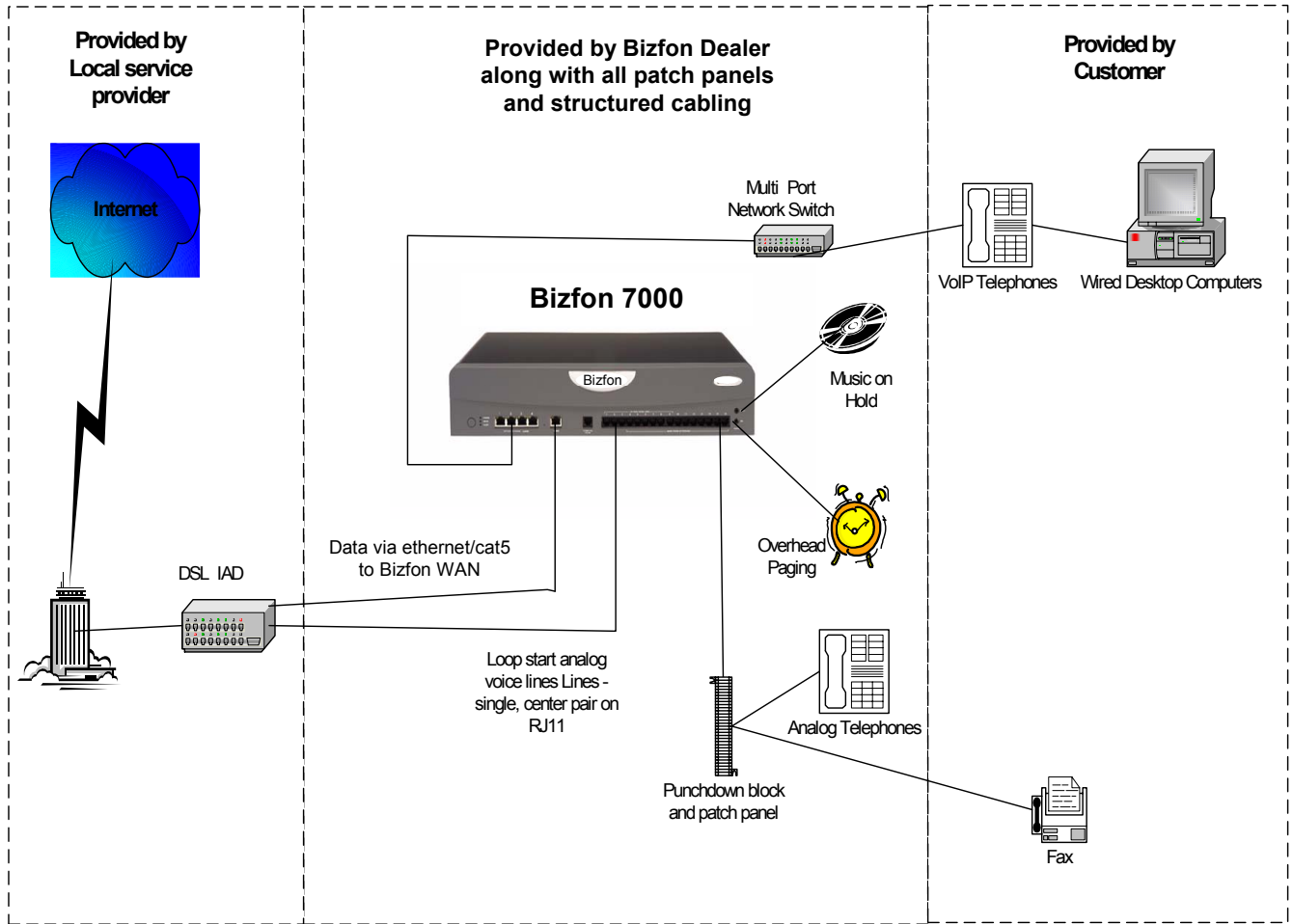


Figure 4 – Example Bizfon Office Configuration



Installation Instructions – Bizfon 7000

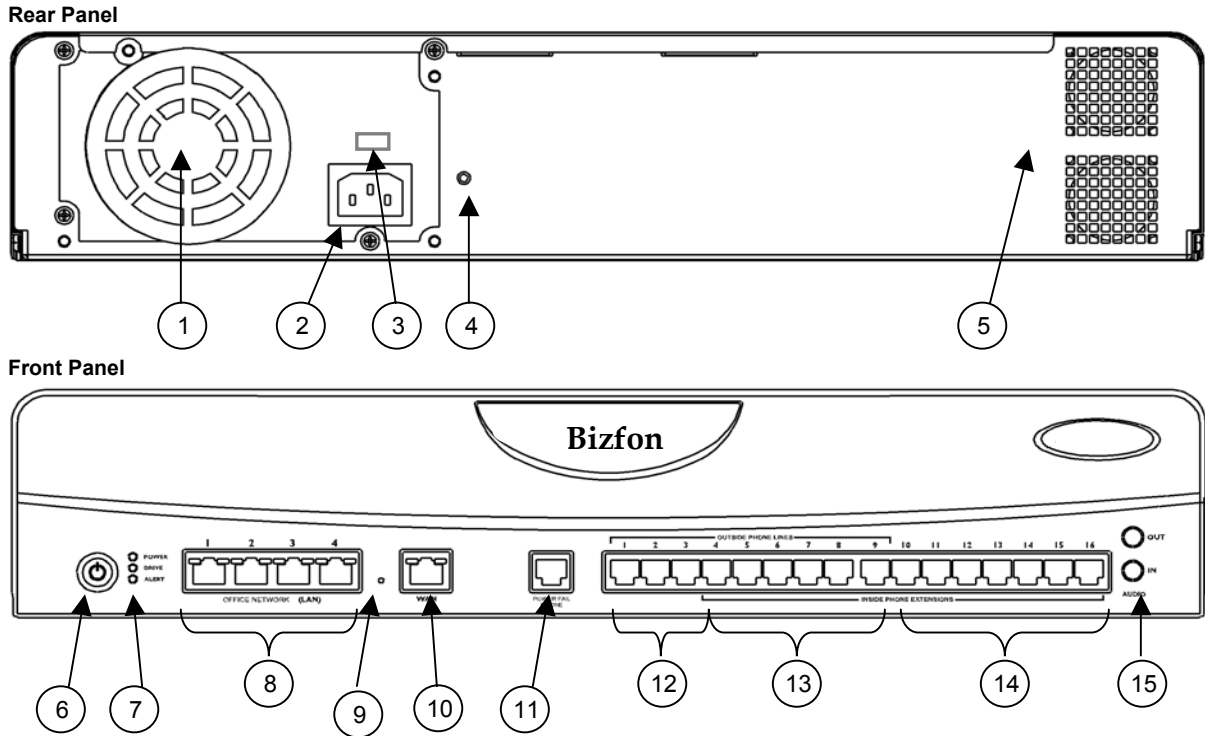


Figure 5 – Bizfon Server Rear and Front Panel Views

- 1 Exhaust fan cover
- 2 Power cord connector
- 3 Voltage selection switch
- 4 Permanent ground connecting screw
- 5 Air intake and exhaust vents
- 6 Power switch
- 7 Front panel LEDs.
 - Power — Indicates system start up activity
 - Drive — Indicates drive activity
 - Alert — Indicates drive or other system fault condition
- 8 RJ-45 10/100 Base T switched Local Area Network Ethernet ports. Accommodates up to 40 Standard Internet Protocol (SIP) digital telephones and local PCs through a LAN hub or switch. Each port contains two LEDs as follows:
 - Green — Steady green indicates connectivity is established. Blinking indicates transmission activity.
 - Amber — On indicates 100 MB bandwidth, off indicates 10 MB bandwidth.
- 9 Safe Mode Reset Button
- 10 RJ-45 10/100 Base T Wide Area Network port. Each port contains two LEDs as follows:
 - Green — Steady green indicates connectivity is established. Blinking indicates transmission activity.
 - Amber — On indicates 100 MB bandwidth, off indicates 10 MB bandwidth.



Installation Instructions – Bizfon 7000

- 11** RJ-11 Power Fail analog phone connector that connects to FXO RJ-11 port #1 during power failure
- 12** RJ-11 dedicated loop-start FXO ports for central office connection (Ports 1-3)
- 13** RJ-11 loop-start FXO for central office connection or FXS universal telephone auto-sensing ports for analog extension connection (Ports 4-9)
- 14** RJ-11 FXS ports for analog or fax extension (Ports 10-16)
- 15** 3.5 mm audio mini jacks for music-on-hold and overhead paging



Installation Instructions – Bizfon 7000

REGULATORY NOTICES

FCC Part 68

This equipment complies with Part 68 of FCC rules and the requirements adopted by ACTA. On the back side of this equipment is a label that contains, among other information, a product identifier in the format US:AAAEQ##TXXXX. If requested, provide this number to the telephone company.

A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant.

The Ringer Equivalence Number (REN) is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most, but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company. For products approved after July 23, 2001, the REN for this product is part of the product identifier that has the format US:AAAEQ##TXXXX. The digits represented by ## are the REN without a decimal point (e.g., 03 is a REN of 0.3). For earlier products, the REN is separately shown on the label.

If this equipment causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. If advance notice isn't practical, however, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens, the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.

If trouble is experienced with this equipment or for repair or warranty information, contact our company. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.

Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission, or corporation commission for information.

Industry Canada

NOTICE: This equipment meets the applicable Industry Canada Terminal Equipment Technical Specifications. This is confirmed by the registration number. The abbreviation, IC, before the registration number signifies that registration was performed based on a Declaration of Conformity, indicating that Industry Canada technical specifications were met. It does not imply that Industry Canada approved the equipment.

NOTICE: The REN for this terminal equipment is 0.1. The REN assigned to each terminal device provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the RENs of all the devices does not exceed 5.



RADIO AND TELEVISION INTERFERENCE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. There is no guarantee, however, that interference will not occur in a particular installation. If this equipment causes harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.

You may also find the following booklet helpful, prepared by the FCC: "How to Identify and Resolve Radio-TV Interference Problems." This booklet is available from the U.S. Government Printing Office, Washington D.C. 20402.

Changes and modifications not expressly approved by the manufacturer or registrant of this equipment can void your authority to operate this equipment under Federal Communications Commissions rules.