

User Manual

BudgeTone-100 Series

IP Phone

Version 1.00

OvisLink (Canada) Inc.

<http://www.ovislink.ca/news/bt100.htm>

Table of Contents

1 WELCOME	3
2 INSTALLATION	4
2.1 WHAT IS INCLUDED IN THE PACKAGE	4
2.2 SAFETY COMPLIANCES	5
3 PRODUCT OVERVIEW.....	6
3.1 KEY FEATURES	6
3.2 HARDWARE SPECIFICATION	7
4 BASIC OPERATIONS	8
4.1 GET FAMILIAR WITH LCD	8
4.2 GET FAMILIAR WITH KEYPAD.....	9
4.3 MAKE PHONE CALLS	10
4.3.1 <i>Make Calls Using Regular Phone or Extension Numbers.....</i>	<i>10</i>
4.3.2 <i>Make Calls using IP Address.....</i>	<i>11</i>
4.3.3 <i>Answer an Incoming Call.....</i>	<i>13</i>
4.3.4 <i>Handset Mode and Speakerphone Mode</i>	<i>14</i>
4.3.5 <i>Call Hold.....</i>	<i>14</i>
4.3.6 <i>Flash.....</i>	<i>14</i>
4.3.7 <i>Call Transfer.....</i>	<i>14</i>
5 CONFIGURATION GUIDE	17
5.1 CONFIGURATION WITH KEYPAD.....	17
5.2 CONFIGURATION WITH WEB BROWSER.....	19
5.2.1 <i>Access the Web Configuration Menu.....</i>	<i>19</i>
5.2.2 <i>Configuration Menu.....</i>	<i>20</i>
5.2.3 <i>Saving the Configuration Changes</i>	<i>27</i>
5.3 CONFIGURATION THROUGH A CENTRAL SERVER	28
6 SOFTWARE UPGRADE	29
6.1 UPGRADE WITH TFTP.....	29

1 Welcome

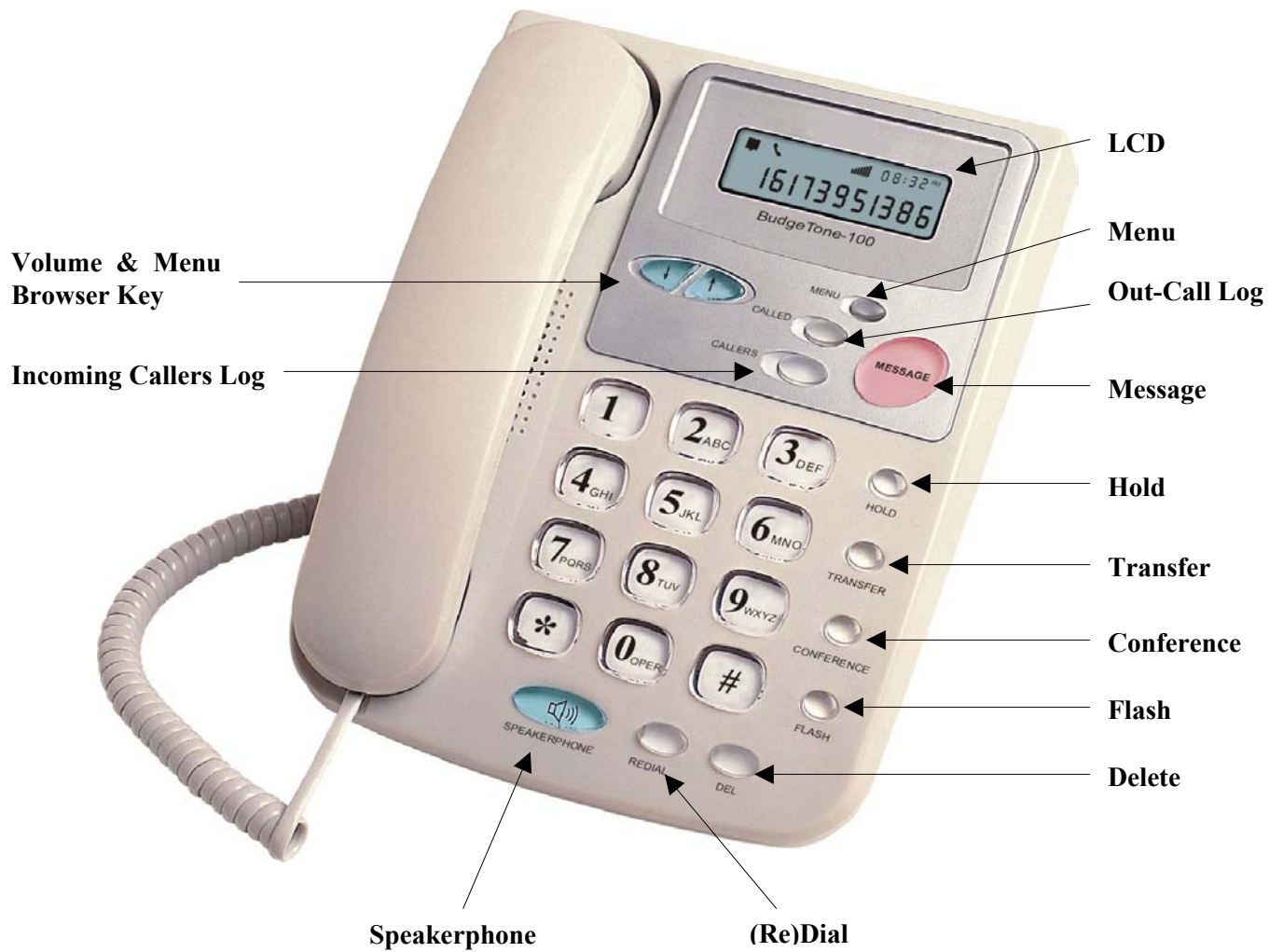
Congratulations on becoming an owner of BudgeTone-100 IP telephone! You made an excellent choice and we hope you will enjoy all its capabilities.

Budge Tone award-wining BudgeTone-100 series of SIP phones are innovative IP telephones that offer a rich set of functionality and superb sound quality at ultra-affordable price. They are fully compatible with SIP industry standard and can interoperate with many other SIP compliant devices and software on the market.

This document is subject to changes without notice. The latest electronic version of this user manual can be downloaded from the following location:

2 Installation

BudgeTone-100 series IP phones are designed to look and feel like standard telephones. The following photo illustrates the appearance of a BudgeTone IP phone and the use of its key buttons.



2.1 What is Included in the Package

The BudgeTone-100 phone package contains:

- 1) One BudgeTone-100 phone
- 2) One universal power adaptor
- 3) One Ethernet cable
- 4) User Manual

2.2 Safety Compliances

The BudgeTone-100 phone is compliant with various safety standards including FCC/CE/UL. The phone should only operate with the universal power adaptor provided with the package. Damages to the phone caused by using other unsupported power adaptors would not be covered by the manufacturer's warranty.

3 Product Overview

Budge Tone IP Phone is a next generation IP network telephone based on industry open standard SIP (Session Initiation Protocol). Built on innovative technology, Budge Tone IP Phone features market leading superb sound quality and rich functionalities at mass-affordable price.

3.1 Key Features

- Support SIP 2.0, TCP/UDP/IP, RTP/RTCP, HTTP, ICMP, ARP, DNS, DHCP, NTP/SNTP, TFTP protocols
- Support IETF STUN and SIMPLE standard extension (Model 102D)
- Interoperable with various 3rd party SIP end user device, Proxy / Registrar / Server, and gateway products.
- Advanced Digital Signal Processing (DSP) technology to ensure superior audio quality
- Advanced and patent pending adaptive jitter buffer control, packet delay and loss concealment technology
- Support popular vocoders including G.723.1 (5.3K/6.3K), G.729A/B, G.711 (a-law and u-law), G.726 (40K/32K/24K/16K), as well as G.728 (Model 102D)
- Support standard voice features such as Caller ID Display or Block, Call Waiting, Hold, Transfer, Forward, in-band and out-of-band DTMF (RFC2833), Dial Plans
- Support 3-way conferencing (Model 102D), full duplex hands-free speakerphone, redial, call log, volume control, voice mail with indicator, downloadable ring tone (Model 102D)
- Support Silence Suppression, VAD (Voice Activity Detection), CNG (Comfort Noise Generation), Line Echo Cancellation (G.168), and AGC (Automatic Gain Control)
- Support BASIC and DIGEST authentication (MD5, MD5-sess)
- Provide easy configuration thru manual operation (phone keypad and Web interface) or automated centralized configuration file.
- Support for Layer 2 (802.1Q VLAN, 802.1p) and Layer 3 QoS (ToS, DiffServ, MPLS)
- Remote software upgrade capability via TFTP
- Built-in alarm-clock with downloadable music ringing tone (Model 102D)
- Optional voice encryption (secure RTP, Model 102D)

3.2 Hardware Specification

There are three models in the BudgeTone-100 family, namely:

BudgeTone-101

BudgeTone-102

BudgeTone-102D

The table below describes the difference among these models.

<u>Model</u>	<u>BudgeTone-101</u>	<u>BudgeTone-102</u>	<u>BudgeTone-102D</u>
LAN interface	1xRJ45 10Base-T	2xRJ45 10Base-T	2xRJ45 10Base-T
Phone Case	25-button keypad 12-digit caller ID LCD	25-button keypad 12-digit caller ID LCD	25-button keypad 16x2 character LCD
Universal Switching Power Adaptor	Input: 100-240VAC Output: +5VDC, 400mA	Same as left	Same as left
Dimension	18cm (W) 22cm (D) 6.5cm (H)	Same as left	Same as left
Weight	2 lbs (0.9 kg)	Same as left	Same as left
Operating Temperature	32 - 104°F 0 - 40°C	Same as left	Same as left
Humidity	10% - 95% (non-condensing)	Same as left	Same as left
Compliance	UL/FCC/CE	Same as left	Same as left

