

January 17, 2011

Confidential – Internal Information for Camden Sales Reps Only. Do not copy or distribute



Connecting Camden CV-TAC400 to a VOIP Service

The CV-TAC400 uses a standard telephone connection to call residents and grant access. The telephone connection may be provided by a conventional telephone service provider or a VOIP based service provider.

.To connect the CV-TAC400 to a VOIP based service an “analog telephone adapter” (ATA) is required. Which model of ATA is required and the ATA setup are specified by the VOIP service provider. As each VOIP provider has their own particular setup, this information must come from them.

The Analog Telephone connection of the ATA (or FXS port) is connected to the telephone line connector of the CV-TAC400. Either the RJ45 jack or screw terminals may be used. There is no special programming required for the CV-TAC400.

Telephone Connector on CV-TAC400



Telephone Connector on ATA



Figure 1 - Typical ATA Connection

Typical Setup

The following setup is typical. However, there may be minor variances, please check with your VOIP service provider.

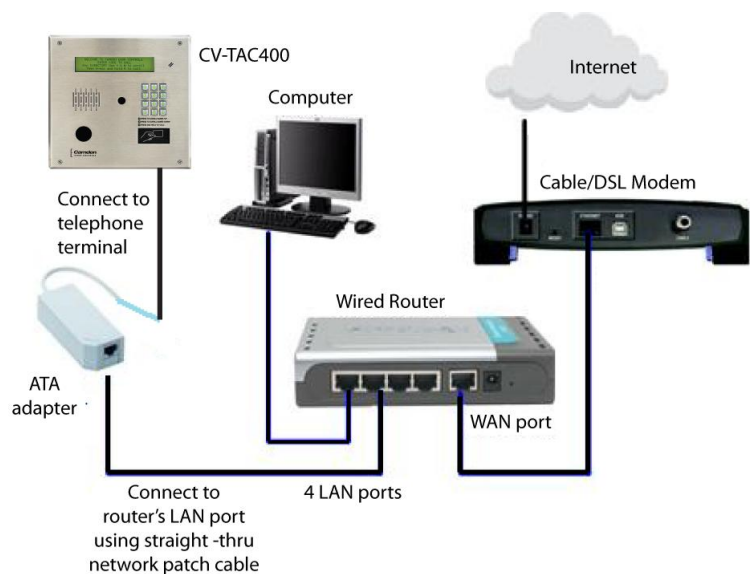


Figure 2 - Typical VOIP Connection

ATA Settings

The following shows a typical setup for an ATA. Red dots indicate where changes are made from the default settings.

Grandstream Device Configuration

STATUS BASIC SETTINGS **ADVANCED SETTINGS**

Admin Password: (purposely not displayed for security protection)

SIP Server: sip.callwithus.com (e.g., sip.mycompany.com, or IP address)

Outbound Proxy: (e.g., proxy.myprovider.com, or IP address, if any)

SIP User ID: 123456789 (the user part of an SIP address)

Authenticate ID: 123456789 (can be identical to or different from SIP User ID)

Authenticate Password: (purposely not displayed for security protection)

Name: (optional, e.g., John Doe)

Home NPA:

Advanced Options:

Preferred Vocoder: choice 1: current setting is " PCMU " choice 2: current setting is " PCMA "

local RTP port: 5004 (1024-65535, default 5004)

Use random port: No Yes

SIP Registration Failure Retry Wait Time: 20 (in seconds. Between 1-3600, default is 20)

NAT Traversal: No Yes, STUN server is: stun.callwithus.com (URI or IP:port)

keep-alive interval: 20 (in seconds, default 20 seconds)

Use NAT IP: (used in SIP/SDP message if specified)

Figure 3 - ATA Configuration Settings

Typical Router Setup

Wireless-G VPN Router with RangeBooster WRV210

Setup Wireless Firewall VPN QoS Administration Status

Basic Setup VLAN DDNS MAC Address Clone Advanced Routing

Language Selection: English

Internet Connection Type: PPPoE

Account to be Used: Primary Secondary

Username: yourname@domain Username

Password: Password

Confirm Password: Confirm Password

Service Name: Service Name

Connect on Demand: Connect on Demand: Max Idle Time: 0 Seconds Max Idle Time: 0 Seconds

Keep Alive: Keep Alive:

Host Name: Domain Name:

MTU: Manual Auto MTU Size: 1492

Internet Setup
Internet Connection Type: You may choose from Automatic Configuration-DHCP, Static IP, PPPoE, PPTP, L2TP or Heart Beat Signal. Please check with your Internet Service Provider to verify which type of connection you will need to use.

LAN IP: The router is identified on the network by this address. Use the default value if you are unsure of what this setting should be. Network Address Server Setting: The router is capable of assigning IP addresses to the computers on the network. If you do not

Figure 4 - Typical Router Configuration