

# phone@trbo™: telephone interconnect

## Intelligent phone patch for Motorola MOTOTRBO™ 2-way radios

### Use your radios to make and receive phone calls!

The phone@trbo™ system allows radios to connect to corporate office phone systems (PBX) or even the public switched telephone network (PSTN). Incoming calls can be to individual or groups of radios.

- Pre-program a button to make emergency 911 calls
- Transfer calls to security guard's radios while away from their desk
- Use the company's phone system to dial a specific radio or talkgroup
- Make emergency calls to the AllCall talkgroup
- Man-down emergency support for unmonitored lone worker

### Simple to configure, flexible and affordable!

phone@trbo™ offers the features of a traditional analog phone patch while adding the benefits of both VoIP telephony and MOTOTRBO™ radios. For instance, text messaging is used for signaling, not only to make and hangup a call, but also to notify the caller-ID of an incoming call. In case the call is missed, it is easy to call back by simply replying to the caller-ID text message.

phone@trbo™ is flexible in handling incoming calls: it can be configured to either route a call to a predefined talkgroup or individual radio, or to send it to the integrated interactive voice response system (IVR) where the user can dial a specific radio or talkgroup.

When deploying phone@trbo™, it acts as a simple telephone extension of an IP-based PBX connected through the LAN. It can also support legacy analog telephone systems using an inexpensive external analog FXO gateway adapter. With VoIP PBX you can assign individual extensions to individual radios or groups

Unlike other solutions, it does not require option boards to be installed in the radio, it supports any MOTOTRBO™ architecture (conventional, IP Site Connect and Capacity Plus), and is very affordable! To allow such flexibility and reduce deployment costs, only one control station is required. MOTOTRBO's Transmit Interrupt makes ¼ duplex operation very friendly to phone callers.

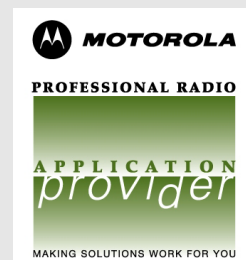
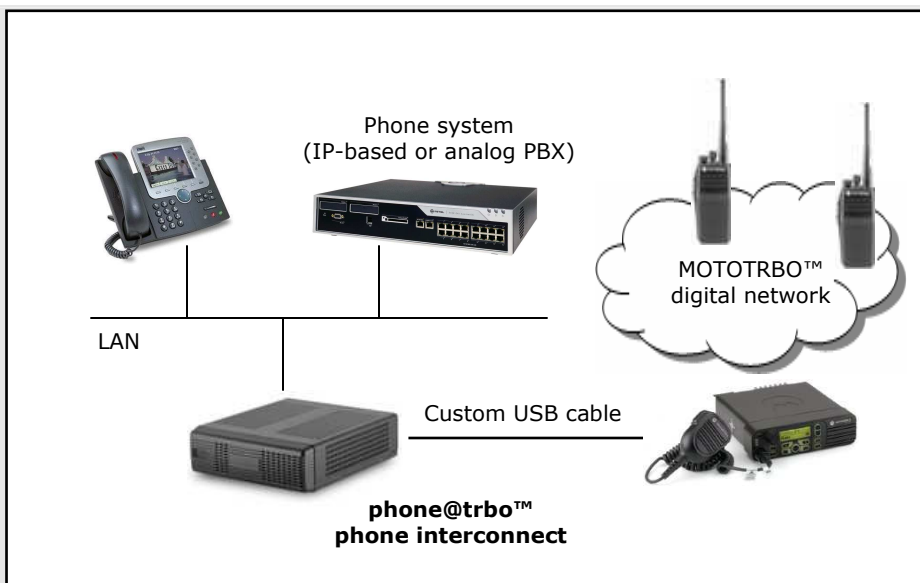
The phone@trbo™ system includes the iTalkie™/RG radio gateway software which allows expansion to all the features of the iTalkie™ solution, including email, dispatch, fleet management, SCADA and logging. It is shipped in a pre-configured turnkey system with remote management tools to simplify deployments.

### Selected Features

- Private, group calls and AllCall
- IETF SIP compliant
- Supports IP-PBX and legacy analog PBX
- Text and voice based signaling
- Single line
- Single channel (one slot)
- Half-duplex (+ TX interrupt)
- Advanced voice activation, noise canceling and other signal processing
- Last caller redial
- FCC 90.483 compliant
- Rapid deployment
- Direct MOTOTRBO™ radio interface
- Expandable solution

### Typical Applications:

- Security
- Public utilities
- Government
- Education
- Health care
- Other commercial markets



# phone@trbo™ – MOTOTRBO™ phone interconnect

## Features

- Private calls to individual radios, group calls to multiple radios and AllCall
- Direct patch to talkgroups or individual radios
- Voice-menu or SIP-trunk based automatic call routing
- Use touch-tones to dial a specific radio or talkgroup
- Emergency dialing to predefined number with pre-recorded message
- Text messaging-based dial, hangup and incoming call notification with caller-ID
- Hot-keypad DTMF dialing and hangup
- Return calls by replying to caller-ID text messages
- Support non-keypad radios
- Support MOTOTRBO Transmit Interrupt
- IETF SIP compliant telephony signaling
- FCC 90.483 compliant timeouts
- Program radios with 1-button dial
- Extensive signal processing to reduce noise and adjust audio levels
- Small form factor turnkey system, about the size of a mobile radio
- Easily expandable with services such as email, SCADA, dispatch, logging, etc.

## Easy to deploy

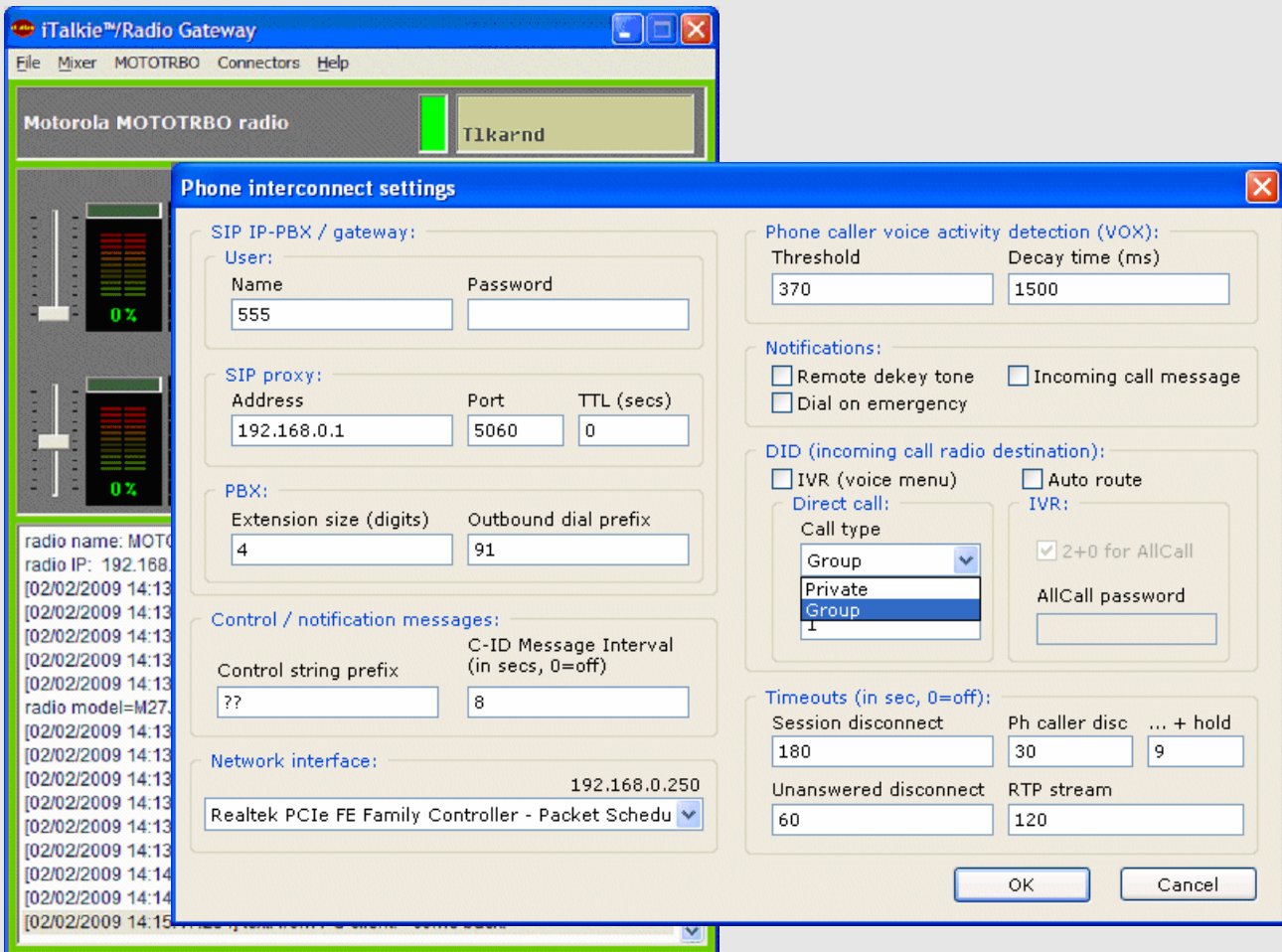
- Acts as a normal telephone extension
- Turnkey system with remote management
- Network connection to PBX or to analog FXO gateway
- Radio connection: standard MOTOTRBO™ mobile USB programming cable with custom audio cables

## Professional services:

- Customizations available for special requirements

## FCC compliance:

- Telephone interconnects require specific FCC licensing



**TABLETmedia, Inc.**  
3035 Scott Street  
San Francisco, CA 94123  
Tel: +1 (415) 567-8100  
Fax: +1 (415) 567-1362

<http://www.tabletmedia.com> – 2/12  
Copyright © 2001-2012 TABLETmedia, Inc. – All rights reserved.  
TABLETmedia eztracker@trbo™, phone@trbo™, text@trbo™,  
iTalkie™ and iFon™ are trademarks of TABLETmedia, Inc.  
All other trademarks belong to their respective companies.