

# vizia rf +<sup>™</sup>

## System Programming and Control



CTTEP-20W/  
CTTES-20W/CTZUS-1US

VRCPG

Join a revolution in the home automation industry with Vizia RF + wireless lighting and home control technology. Innovative and affordable, with features that are desired by professional installers and appreciated by homeowners, Vizia RF + helps reduce energy consumption. It provides dramatic scene transitions, extended zone lighting controls, industry standard 2-way status updating and true integration of household electrical devices. Use it to enhance new construction or to add value to older homes, condominiums and apartments.

The Vizia RF + Wireless Home Control System offers scalable, easy-to-install, remote control of appliances and lighting, as well as one-button scene and zone (area) lighting control to create the perfect ambiance. And, unlike previous home control systems, Vizia RF + does all of this without experiencing interference or inconsistent performance.

### APPLICATIONS

A Vizia RF + Programming device or ThinkEssentials® Professional Edition Software is required as an installation tool for the setup of a Leviton Vizia RF + network. Leviton incorporates beneficial system features that can only be accessed when using one of these devices. These include the ability to create and operate

scheduled events using any device that includes a clock feature, extended system testing and system optimization techniques.

Once a Vizia RF + network is installed, the handheld remote controller (VRCPG) can also be used as a wireless controller to activate events and control the system. For full functionality of the Vizia RF + Network, at least one Leviton recommended programming device should be used. Each programming device creates a unique Z-Wave® home ID intended to allow multiple Z-Wave networks to operate in the same local area.

The RF Handheld Remote Controller Programmer uses the Z-Wave RF protocol to control other Z-Wave enabled devices, including, but not limited to, in-wall dimmers, switches and plug-in dimming and appliance modules.

ThinkEssentials Professional Edition by ControlThink® is the premier programming tool available for the Z-Wave Professional Installer. Packed with exclusive (patent-pending) features, ThinkEssentials is a full suite of powerful tools to install, optimize, integrate and maintain a high-performance Vizia RF + Home Control System.

### Leviton Mfg. Co., Inc.

**FEATURES AND BENEFITS****Vizia RF +™ Handheld Remote Controller Programmer**

- Provides user-level control of 128 devices
- Creates up to 128 areas
- Customizes up to 16 profiles
- Creates up to 255 scenes
- Offers a “Who Is” feature that allows users to identify a device in the network by simply pressing a button. It causes the device ID and name to be displayed
- Step-by-step electronic installation checklist guide simplifies installation
- Allows use of multiple wireless controllers (one acting as a primary controller and the others as secondary controllers) for added convenience
- Controls Leviton’s Vizia RF + devices as well as any other manufacturers’ Z-Wave® compatible devices
- Backlit LCD for enhanced readability
- 2 AA alkaline batteries included
- Security feature to protect system configurations

**Vizia RF + Handheld Remote Controller Programmer with Timer**

- Astronomical clock for timed events
- Creates up to 64 events
- Stand included
- AC adaptor and rechargeable batteries included

**ControlThink® ThinkEssentials® Software**

- Allows inclusion or exclusion of Z-Wave nodes
- Operates as Z-Wave primary or secondary controller
- Option to join or leave a Z-Wave network
- Scheduled events including sunrise/sunset timers
- Transfers primary role to another controller (controller shift)
- Supports Z-Wave BASIC command set
- Intuitive graphical interface and advanced programming
- Real-time Z-Wave wireless network diagnostics
- Removes broken, missing or reset nodes
- Self-tuning optimization for premium Z-Wave performance
- Drag and drop placement of device icons on floor plan

- On-screen icons deliver direct control of all controllable nodes in the system
- Imports blueprints and floor plan drawings for accurate system layout (coming soon)
- Dim level indicator with on-screen slider
- Adjusts scene fade rates for selected Z-Wave devices
- Compatible with all Leviton Vizia RF + dimmers, fan speed control, switches, plug-in modules, remote controls and wall mounted controllers
- Conforms to Vizia RF + Pro Level requirements
- Support for programming Vizia RF + Serial Interface Plug-in Module RS232 (VRCOP-1LW) for 3rd-party system integrations
- Supports Vizia RF + Scene Controller (VRCS4-1L) and Zone Controller (VRCZ4-1L)
- Supports Vizia RF + multi-way circuits using remote dimmers and remote switches
- Supports both Vizia RF and Vizia RF +
- Works with Windows® XP and Windows Vista®, both 32-bit and 64-bit
- Upgrades ThinkStick Z-Wave USB Adapters
- Supports node names and location info (exceptions for use with VRCPG)

**ThinkEssentials Professional Edition**

- Installer tool for efficient and intelligent Z-Wave system installations
- Backup and restore ThinkStick Z-Wave USB Adapter
- Establishes multiple networks with unique Z-Wave Home IDs
- Patent-pending Z-Wave disaster recovery for many Z-Wave network repairs
- Upgrades secondary USB adapter to primary role
- Supports Leviton 2-way functionality
- Free downloadable updates (minor versions)
- Free ThinkStick Z-Wave USB Adapter (limited time offer)

**ThinkStick™ Z-Wave USB Adapter**

- USB 2.0 compliant
- Upgradeable firmware

**Leviton Mfg. Co., Inc.**

59-25 Little Neck Pkwy, Little Neck, NY 11362-2591 Tech Line: 1-800-824-3005 Fax: 1-800-832-9538 www.leviton.com  
 © 2008 Leviton Manufacturing Co., Inc. All rights reserved. Subject to change without notice.

**SPECIFICATIONS**

**Handheld Remote Controllers**

- Operating Temperature: 0°C to 55°C
- Non-Operating: -10°C to 85°C
- Relative Humidity: 20% to 90% (non-condensing)

**AGENCY STANDARDS AND COMPLIANCE**

- Complies with FCC part 15, Class B
- Z-Wave® Certified

**INSTALLATION CONSIDERATIONS**

A Z-Wave enabled device must be within 75 feet of (open air) another Z-Wave enabled device to participate in a Z-Wave wireless mesh network. Any one switch can be associated with no more than 5 controller devices. Each ON/OFF button on a RF controller can be associated with up to 32 select Z-Wave compatible devices in a system area. A neutral wire is required on selected

devices. For full functionality of the Vizia RF + Network, at least one Leviton recommended programming device should be used.

**WARRANTY INFORMATION**

**Handheld Remote Controllers**

- Limited Five-Year Warranty

**ThinkEssentials® Software**

- Limited 90-Day Warranty on CD Media

**ThinkStick™ Z-Wave® USB Adapter**

- Limited One-Year Warranty

**PROGRAMMING**

- See instruction manual included with product for programming information
- Vizia RF + system guide is a resource available for download at [viziarfplus.com](http://viziarfplus.com)

**ORDERING INFORMATION**

DESCRIPTION	CAT. NO.	RATING	COLOR
Vizia RF + Handheld Remote Controller Programmer	VRCPG-BSG	Operating frequency 900 Mhz 2 AA Alkaline batteries (included)	Silver
Vizia RF + Handheld Remote Controller Programmer/Timer	VRCPG-OSG	Operating frequency 900 Mhz 2 AA rechargeable batteries (included)	Silver
ThinkEssentials® 2.1 Professional Edition: Installer software with advanced features	CTTEP-20W	Requires Windows® XP or Windows Vista® (32-bit and 64-bit)	N/A
ThinkEssentials® 2.1 Standard Edition: Consumer software	CTTES-20W	Requires Windows® XP or Windows Vista® (32-bit and 64-bit)	N/A
ThinkStick™ Z-Wave® USB Adapter	CTZUS-1US	For use with ThinkEssentials software	N/A

The Vizia +™ products are covered by one or more of the following patents: US D531,137; US D563,326; US D563; US 6,388,399; CA 116,616; other U.S. and foreign patents pending.  
Vizia +, Vizia RF + and ThinkStick are trademarks and ControlThink and ThinkEssentials are registered trademarks of Leviton Manufacturing Co., Inc.  
Z-Wave is a registered trademark of Zensys Corporation.  
Windows and Windows Vista are registered trademarks of Microsoft Corporation in the United States and other countries.



**Leviton Manufacturing Co., Inc.**

59-25 Little Neck Pkwy, Little Neck, NY 11362-2591 • Tech Line: 1-800-824-3005 • Fax: 1-800-832-9538 • [www.leviton.com](http://www.leviton.com)

**Leviton Manufacturing of Canada, Ltd.**

165 Hymus Boulevard, Pointe Claire, Quebec H9R 1E9 • Telephone: 1-800-469-7890 • FAX: 1-800-563-1853

**Leviton S. de R.L. de C.V.**

Lago Tana 43, Mexico DF, Mexico CP 11290 • Tel. (+52) 55-5082-1040 • FAX: (+52) 5386-1797 • [www.leviton.com.mx](http://www.leviton.com.mx)

**Visit our Website at: [www.leviton.com](http://www.leviton.com)**

© 2008 Leviton Manufacturing Co., Inc. All rights reserved. Features and specifications subject to change. Patents Pending.



G-8016/D08-jd