

# SMART/RG®

Accessories / PL60

HomePlug AV2 Adapter



THE PL60 HOMEPLUG AV2 ADAPTER connects PCs, Set-Top Boxes, gaming consoles, and Smart Televisions via the powerlines in your home. Capable of sustaining bidirectional packet throughput in excess of 500Mbps, high bit-rate content such as IPTV and VoD, as well as latency-sensitive traffic, such as VoIP, in addition to Broadband Internet are supported simultaneously with appropriate levels of Quality of Service. Distances as great as 300 meters are reachable within a single home powerline grid.

The MIMO technology enhances the performance and coverage of the powerline signal by exploiting multiple input, multiple output technology, transferring data across all three electrical wires: line, neutral, and ground. This new technology increases data throughput and is able to reliably deliver multiple carrier-grade HD video streams within a single home. The PL60 provides a filtered AC power socket, reducing interference from equipment such as hair-dryers, mobilephone chargers, etc.

## / FEATURES

- 1 RJ-45 port for Gigabit Ethernet LAN connection
- SmartConnect and Factory Reset buttons
- Tri-color powerline quality indicator LED
- IEEE 1901 and HomePlug AV2.1 compliant

## / BUILT-IN SUPPORT FOR

- MIMO enhanced throughput/coverage
- TR-069 Device Management
- Quality of Service
- Power-Saving Mode

## / SPECIFICATIONS

### Standards

IEEE 1901.1/1905.1/HomePlug AV1/AV2.1  
Co-existence with HomePlug 1.0  
IEEE 802.3 10/100/1000 Ethernet (Auto MDI/MDI-X)

### Technology

Modulations:  
OFDM 4096/1024/256/64/16/8 QAM, QPSK, BPSK, ROBO  
Frequency Band: 2-86MHz  
Peak PLC Rate: 1800Mbps  
Peak Throughput (TCP/UDP): 550Mbps/600Mbps  
Range: Estimated range 300 meters in-wall power lines

### Security

128-bit AES hardware encryption

### Quality of Service

TDMA channel access with Contention-Free and Contention-Based (CSMA/CA) period Channel Adaption  
Four-Level QoS / Eight-level VLAN priority / ToS/CoS Packet Classifier  
IGMP/MLD Snooping

### Diagnostic and Management

HomePlug AV Management Message Entries (MME)  
TR-069 Remote Management

### Mechanical

Dimension: 120mm\*60mm\*38mm (L\*W\*H)  
Weight: 200g

### Electrical

Power Requirements:  
AC input: US/EU/UK/AU/FR sockets @ 100VAC-240VAC  
Power Consumption:  
Typical: 3.8 watts  
Power-saving mode: Under 0.5 watts

### EMC and Safety

FCC Class B / CE mark  
UL listed, RoHS & WEEE compliant

### Environmental

Efficiency:  
European Code of Conduct (CoC) for Energy Efficiency  
European Union Energy-using Products (EuP) directive for low power, green energy operation

### Temperature:

Standard Operating: 0° to 40°C  
Storage: -20° to 70°C

### Humidity:

30% to 80% (Non-condensing, Standard Operating)  
30% to 95% (Non-condensing, Non-operating)

501 SE Columbia Shores Boulevard, Suite 500  
Vancouver, Washington, 98661 USA  
+360 859 1780 / smartrg.com

© 2017 SmartRG, Inc. SmartRG and the SmartRG logo are registered trademarks or trademarks of SmartRG, Inc., incorporated in the U.S.A. All other names are properties of their respective owners. Product photo may differ from actual product, however functionality remains as stated above. Specifications are subject to change without notice.  
DSPL60/0915