



FOR IMMEDIATE RELEASE

AMBIENT ANNOUNCES AVAILABILITY OF X²

Next-Generation BPL Access Device Provides Industry-Leading Performance and Features

Charlotte, N.C., May 3, 2006 - Ambient Corporation (OTCBB: ABTG), a leader in Broadband over Power Lines (BPL) solutions, unveiled today its next-generation BPL access device, known as X². This follow-on product line to Ambient's X-Node, which has been successfully deployed in multiple locations throughout the United States, provides unparalleled capabilities to the BPL market.

Ambient's X² product line integrates 200-Mbit Generation 2 technology from DS2 in a unique, proprietary design which provides up to three BPL interfaces to supply unprecedented levels of BPL bandwidth, combined with optional gigabit Ethernet, direct fiber connections, and 802.11a/b/g wireless capabilities.

X² nodes are available with an optional backup battery and integrated low-voltage capacitive coupler. The X² includes an integrated NEMA-4 enclosure, providing both indoor and weather-resistant outdoor capabilities in a reduced form factor. X² nodes can be installed in pad-mount, pole-top, and wall-mount locations.

Additional advanced sensor and utility applications will be available for X².

John Joyce, CEO of Ambient Corporation, stated, "Ambient once again demonstrates its leadership in the BPL industry by providing the most capable Generation 2 equipment. Our new X² supplies utilities and BPL service providers with all of the features they need to successfully and competitively deploy next-generation BPL networks with extended capabilities."

Ambient's X² is fully supported by the Company's Network Management System, which is presently in trials at customer locations.

"Ambient continues to demonstrate their market leadership in the Americas by proving the effectiveness of our latest chipsets in their products. We at DS2 are

pleased to have a strategic partner in Ambient who continues to demonstrate their belief and commitment to aggressively pursue the new PLC/BPL applications of our market-leading latest technology. The value Ambient adds to each of their products will be a key factor in the success of their X² product,” stated Jorge Blasco, CEO of DS2.

Ambient will commence shipments of X² in the second quarter of 2006.

About Ambient Corporation

Ambient Corporation, a development stage company and founding member of the Universal Powerline Association (UPA), is a pioneer in the Broadband over Power Lines (BPL) industry. Engaged in the design, development and marketing of patented BPL equipment and technologies, Ambient’s proprietary technology and in-depth industry experience is designed to provide optimal solutions for the Utility and Multi-Dwelling Unit (MDU) markets. Headquartered in Newton, MA, Ambient is a publicly traded company (OTC BB: ABTG). Visit Ambient at www.ambientcorp.com.

This press release may contain forward-looking statements that involve risks and uncertainties. These statements may differ materially from actual future events or results. Readers are referred to the documents filed by Ambient Corporation with the SEC, including the company's most recent report on Form 10-KSB and 10-QSB, which identify important risk factors that could cause actual results to differ from those contained in the forward-looking statements. Ambient is a trademark of Ambient Corporation registered in the U.S. Patent and Trademark Office.

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