BTnode Peripherals

Philipp Stadelmann
philista@ee.ethz.ch
24 April, 2006
Purpose

• Write demo applications to show the BTnode‘s ability to connect to external devices.

• Two examples:
  1. Bluetooth link to cell phone
  2. Multihop link to serially connected camera
Bluetooth Peripherals – Cell Phone

• Goal: Establish a connection from a BTnode to a cell phone and make the phone send an SMS.
• Approach:
  – Emulate a serial Interface (RFCOMM)
  – Use AT Commands to control the phone
• Extension: Develop a library for full mobile control
Serial Peripherals – Camera

• Goal: Control the chip of a CMOS camera over a multi hop network of BTnodes and receive an image.
• Task: Write a device driver for the chip interface