Spectrum WiFi Schematic Internet Patch Panel This provides a termination point for all the cabling to sockets throughout a building or office. We plug a cable in to one of these ports that has a device at the ADSL other end and then connect it to This is the Link out to your Internet the switch, this then means the Service Provider or ISP, that will allow device can communicate with communication through a phone line to the World Wide Web (WWW) other devices connected to the ***************** Patch Panel Gateway Switch Router Router This device provides connection Switch credentials to connect you A Switch provides a connection securely to your ADSL supplier, it Subscriber Gateway (3200/5x00 between all of the devices on your also provides routing for devices network via a network cable, it allows on your network. E.a. the router This provides IP Addresses to all devices to come to one place will take traffic from your PC and Machines connecting to our network before communicating out to the web Wireless AP route it to the web and vice versa. and provides a gateway to our or another piece of equipment E.g. File authentication system allowing Server for storing your documents. customers to pay for Internet access (Most of our switches are Power over securely and safely. (IP addressing is Ethernet or (POE) this means they like street and house addressing it provide power to compatible allows the AP to communicate with the equipment as well as data connectivity gateway to allow users out to the web. Wireless AP Wireless AP Wireless Access Point (AP or End User This device provides a wireless Our Customers, the End User will signal for people to connect to our open their Laptop and should be network, as you can see from the able to use there wireless diagram the AP is connected by **Spectrum Interactive** connection to view our network cable to our switch that then SSID (Service Set Identifier) or allows the AP to communicate our networks name and connect with the Gateway to allow users to it, they will then be WiFi Prepared out to the web. 04-01-08 automatically redirected to our landing page by the gateway. by Paul D Schematic **End User**