Typical Pull Type Setup
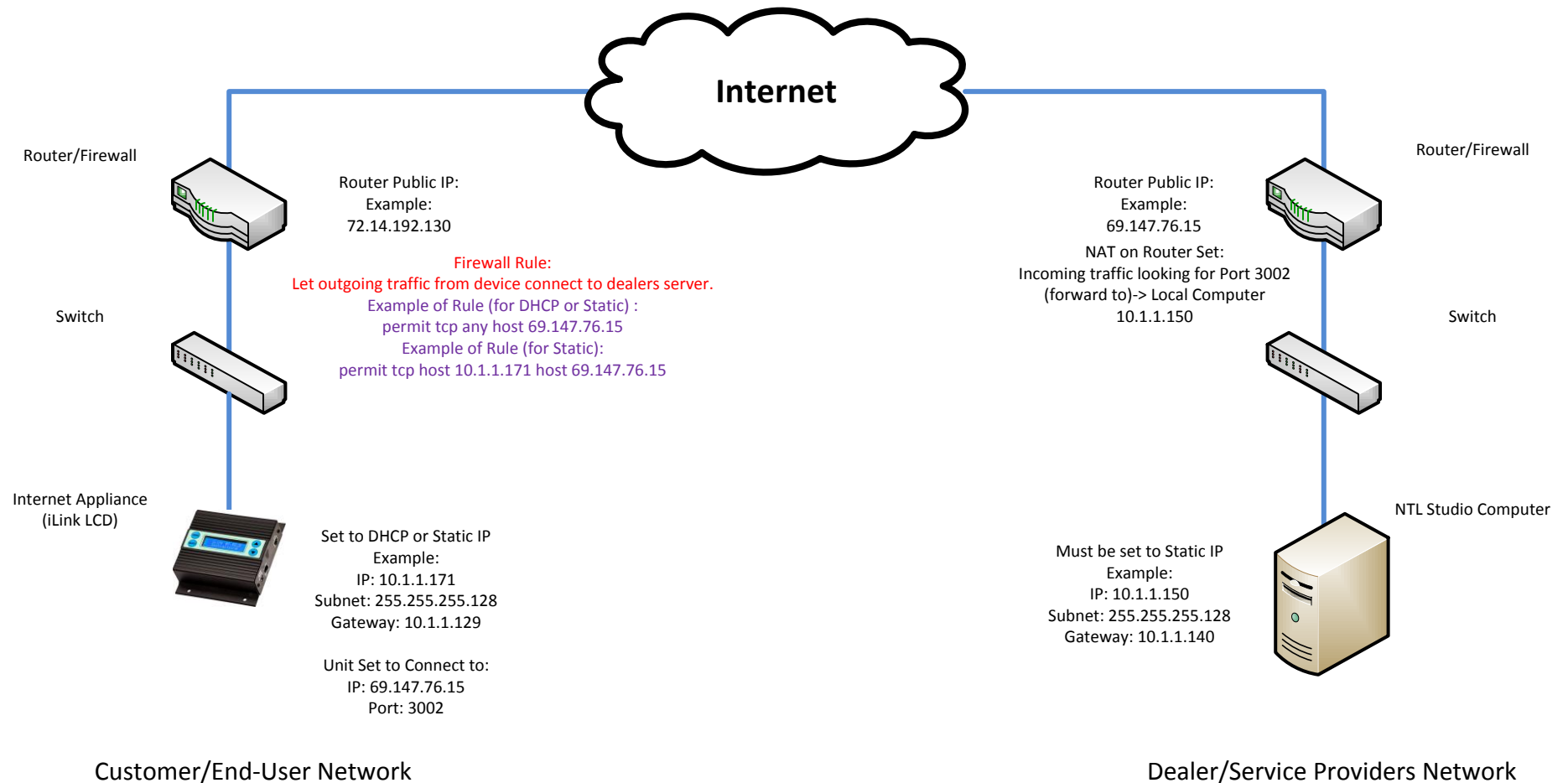
Most Common Type of Install – On-site message player initiates connection and downloads new settings and content.

Internet

Router/Firewall

Router Public IP:
Example:
72.14.192.130

Router Public IP:
Example:
69.147.76.15

Router/Firewall

NAT on Router Set:
Incoming traffic looking for Port 3002
(forward to)-> Local Computer
10.1.1.150

Firewall Rule:
Let outgoing traffic from device connect to dealers server.
Example of Rule (for DHCP or Static) :
permit tcp any host 69.147.76.15
Example of Rule (for Static):
permit tcp host 10.1.1.171 host 69.147.76.15

Switch

Switch

Internet Appliance
(iLink LCD)

NTL Studio Computer

Set to DHCP or Static IP
Example:
IP: 10.1.1.171
Subnet: 255.255.255.128
Gateway: 10.1.1.129

Unit Set to Connect to:
IP: 69.147.76.15
Port: 3002

Must be set to Static IP
Example:
IP: 10.1.1.150
Subnet: 255.255.255.128
Gateway: 10.1.1.140

Customer/End-User Network

Dealer/Service Providers Network

Pull Operation:

1. Internet appliance (iLink LCD) initiates outgoing connection to 69.147.76.15:3002
2. Connection passes through customer switch, router and then onto the Internet.
3. Connection then is received by dealers router at 69.147.76.15 and passes this traffic bound for port 3002 to NTL Studio computer on 10.1.1.150.
4. NTL Studio computer is running a distribution application that authenticates unit by requesting information back from the unit.
5. Once authenticated the distribution application (working with a management application) will look up customer record by serial number to see if there is new content scheduled.
6. If new content is scheduled it will be "pulled" down to unit then will disconnect once completed.