Example Wiring for Standard Antenna

Dish 1000.2 Antenna

RG-6 Coax

Power Inserter

Duo Node

Hopper 1

RG-6 Coax

Duo Node

Hopper 2

RG-6 Coax

Duo Node

Hopper 3

RG-6 Coax

Duo Node

Hopper 4

RG-6 Coax

Duo Node

Hopper 5

RG-6 Coax

Duo Node

Hopper 6

RG-6 Coax

Splitter

Internet Connector (Optional)

Joey 1

Ethernet CAT 5

To Internet Router

Joey 2

Splitter

Internet Connector (Optional)

Joey 3

Splitter

Internet Connector (Optional)

Joey 4

Ethernet CAT 5

To Internet Router

Joey 5

Ethernet CAT 5

To Internet Router

Joey 6

Ethernet CAT 5

To Internet Router

Joey 7

Ethernet CAT 5

To Internet Router

Joey 8

Ethernet CAT 5

To Internet Router

Joey 9
Example Antenna Amplified for Extended Coax Lengths

Example: Sonora Signal Splitter 3 inputs x 6 outputs per input (total 18 output coax)

Dish 1000+ Antenna

To additional DPP 44 Switches for additional Hoppers

Power Inserter

RG-6 Coax

Duo Node

Hopper 1

Hopper 2

Splitter

Joey 1

Joey 2

Internet Connector (Optional)

Ethernet CAT 5

To Internet Router
D1000.2/OVERVIEW
The DISH 1000.2 antenna is the standard residential antenna used today. It provides 3 satellite orbital feeds via RG-6 coaxial cabling that can be expanded to be able to feed up to 15 DISH receivers for 15 TVs. The LNBFs, or low-noise block feed horns, of the antenna are powered by the DISH receivers. Antenna size: 23.5” W x 18.5” H.

DISH DPP 44 SWITCH
The DPP (DISH Pro Plus) 44 switch is a DISH switch designed to expand the number of coaxial cable feeds coming from a DISH satellite antenna. Up to 3 DPP 44 switches can be trunked to support up to 12 coaxial cable feeds, with each carrying up to 4 satellite orbital feeds per cable. The DPP 44 switch requires a power inserter on port 1 in order to power the installation.

DISH DUO NODE
The Duo Node is a home video network device that combines multi-orbital coaxial cable satellite feeds from a DISH 1000 antenna or switch into 2 coaxial satellite feeds to support MoCA networking for 2 Hopper DVRs (hosts). The client ports are intended to feed up to 4 Joey client receivers (clients). Each Duo Node creates a MoCA video network for Hopper DVRs and Joeys. Rated 50 MHz to 3 GHz.
Glossary

- **SPLITTERS**
  1 GHz common splitters can be used to feed Joey client receivers.

- **DISH HOPPER INTERNET CONNECTOR**
  The Hopper Internet Connector is used to connect a Hopper host receiver and/or any MoCA-linked Joey receiver clients to a broadband home network’s existing router or Ethernet switch. It creates a shared Internet connection for all Hoppers and Joeys on the home video network. It is a convenient solution when the home’s Internet Router is located in a separate room from the Hopper.

- **DISH 1000+ Antenna**
  The DISH 1000+ antenna is an optional use antenna that can be used in installations where amplification of long coaxial cable runs is necessary. The antenna reflector is slightly larger for additional gain, and it provides 3 satellite orbital feeds via RG-6 coaxial cabling that can be amplified for long coaxial runs and split multiple times as needed to support additional coaxial satellite feeds. The LNBFs, or low-noise block feed horns, of the antenna are powered by the DISH receivers. Antenna size: 30.9” W x 23.8”H.

- **SONORA AMPLIFIED SPLITTER**
  The Sonora amplified splitter allows individual satellite orbitals coming on 3 coaxial satellite feeds to be split to accommodate additional coaxial satellite feeds. These feeds are amplified to accommodate longer coaxial runs.