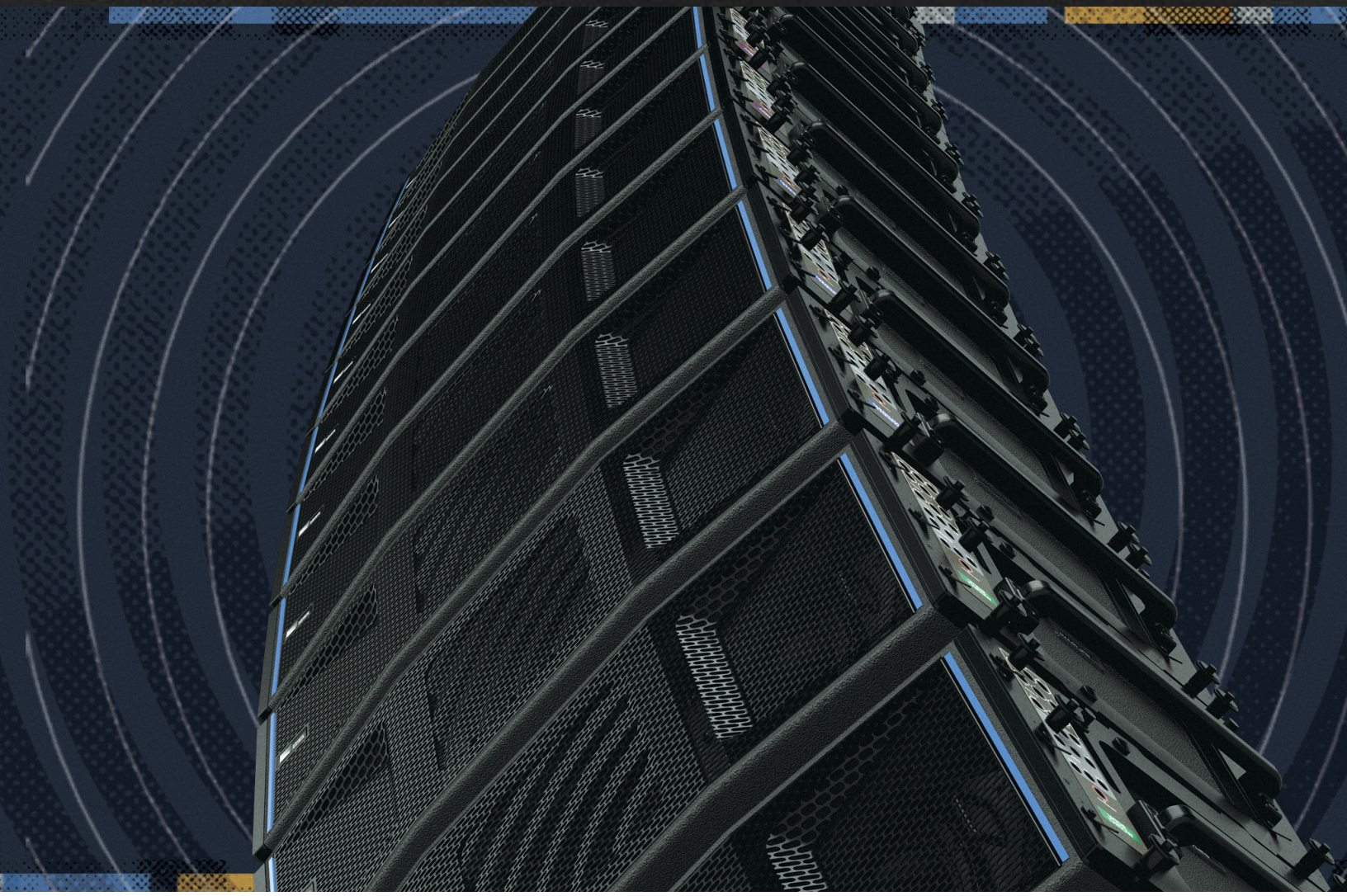
PANTHER

SIGNAL WIRING EXAMPLES



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Introduction and Terminology

The following examples use the same loudspeakers: two arrays of 12 x PANTHER loudspeakers supported by two arrays of 6 x 1100-LFC subwoofers.

The PANTHER arrays in these examples are connected to processors in pairs or element-per-output. In some instances, pairs of PANTHER loudspeakers are connected to one processor output. In other instances, each PANTHER is connected to a processor output. To utilize the Low-Mid Beam Control (LMBC) function available in Compass software, multiple processor outputs are needed for each array. For users who do not wish to use LMBC, another option is to use PANTHER arrays in Native Mode, one processor output connected to all the loudspeakers by either utilizing the looping XLR connectors or making Milan network connections between one processor output and all the Milan capable loudspeakers in an array.

Signal distribution is shown from Galileo GALAXY processors to PANTHER and 1100-LFC loudspeakers. System input signals and upstream signal distribution between Galileo GALAXY processors is not shown.

Use the RJ-45 port labeled AVB 1 on the rear of a Galileo GALAXY (left port when facing the rear of the processor) and connect it to the primary network when utilizing Milan AVB network transport.

The PANTHER user panel includes Neutrik TOP (True Outdoor Protection) connectors for electrical, analog signal, and network connections. To achieve the model's IP55 ingress rating, the use of cables with Neutrik TOP connectors is required. Ensure the cable mounted connectors are assembled correctly by following the manufacturer’s instructions. For indoor applications that do not need a weather protect solution, standard Neutrik connectors can be used without damaging the user panel Neutrik TOP connectors.

PANTHER users wishing to access telemetry data can do so using the Nebra software package. Once installed, connect the Nebra host computer to the PANTHER loudspeakers using network switches capable of a 1Gb or higher. An Avnu Certified AVB network switch is not required.

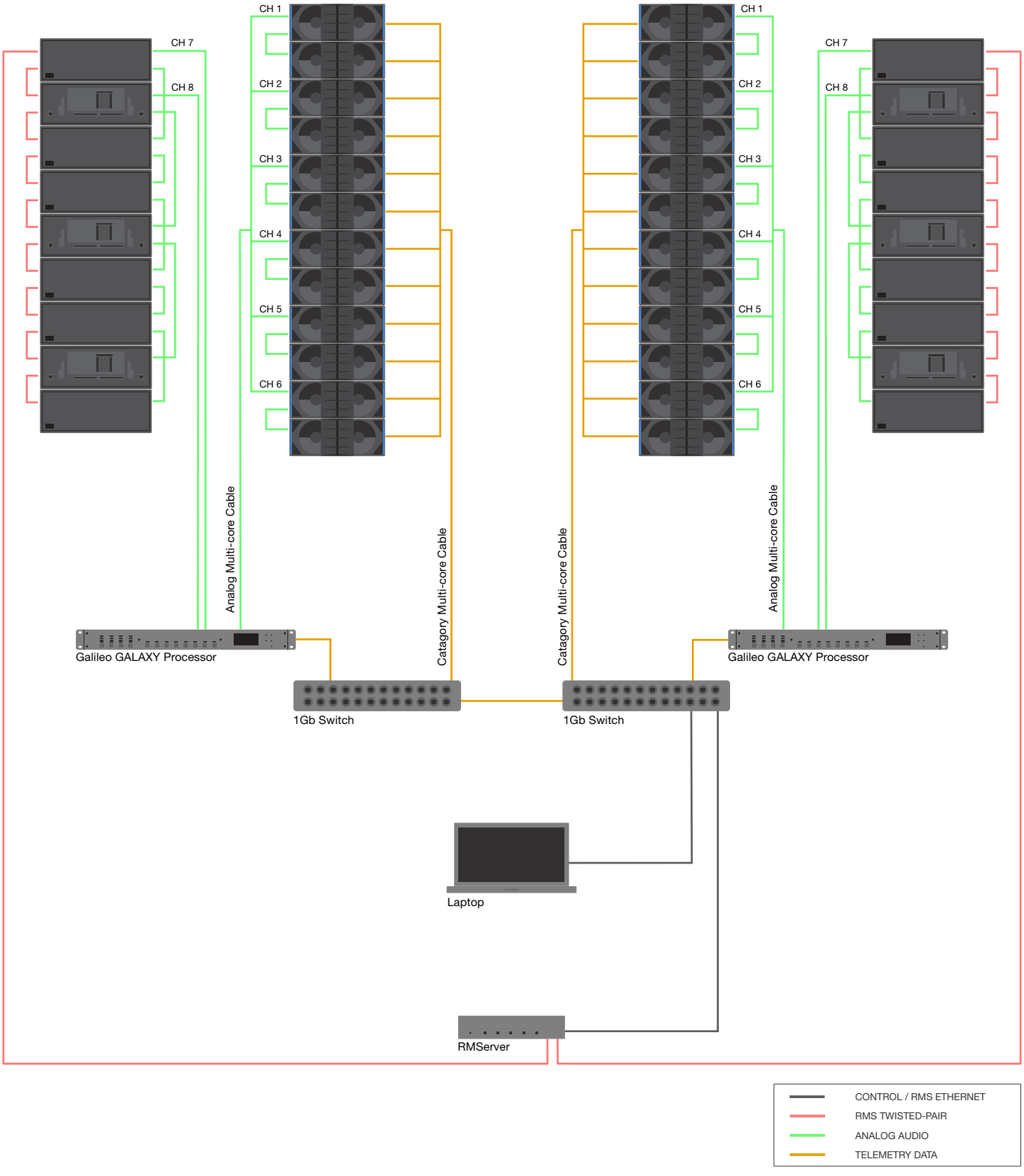
Users wishing to connect MILAN signals to PANTHER can do so using any Avnu Certified AVB network switch. A list of certified switches can be found on the Avnu Alliance website: https://avnu.org/certified-product-registry/

Analog signal cabling shall be standard twisted pair audio cable.

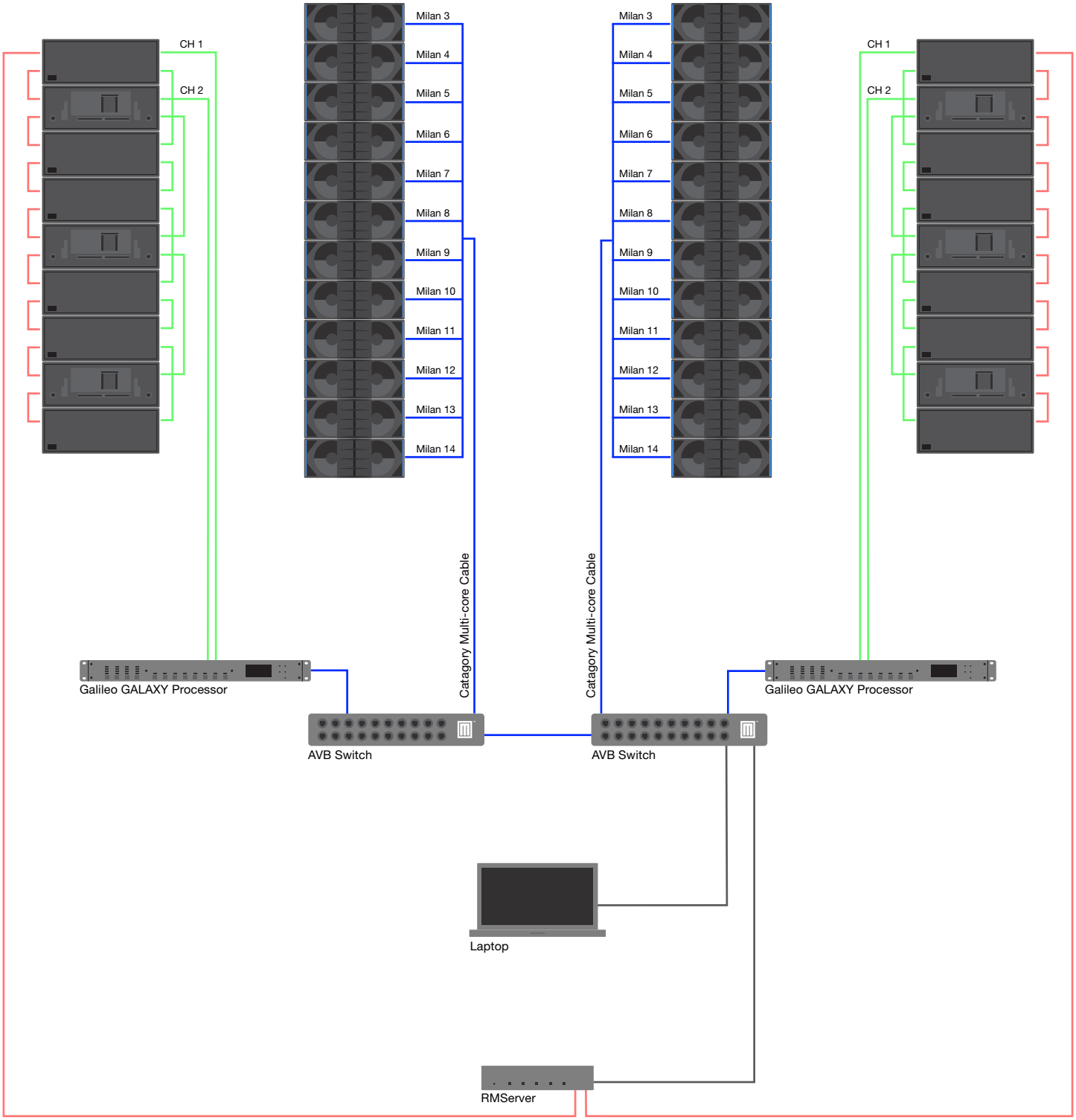
Network cabling shall be of CAT5 or higher specification.

RMS cabling shall be twisted pair, stranded, unshielded cable. See the RMServer hardware guide for more information: https://meyersound.com/product/rmserver/

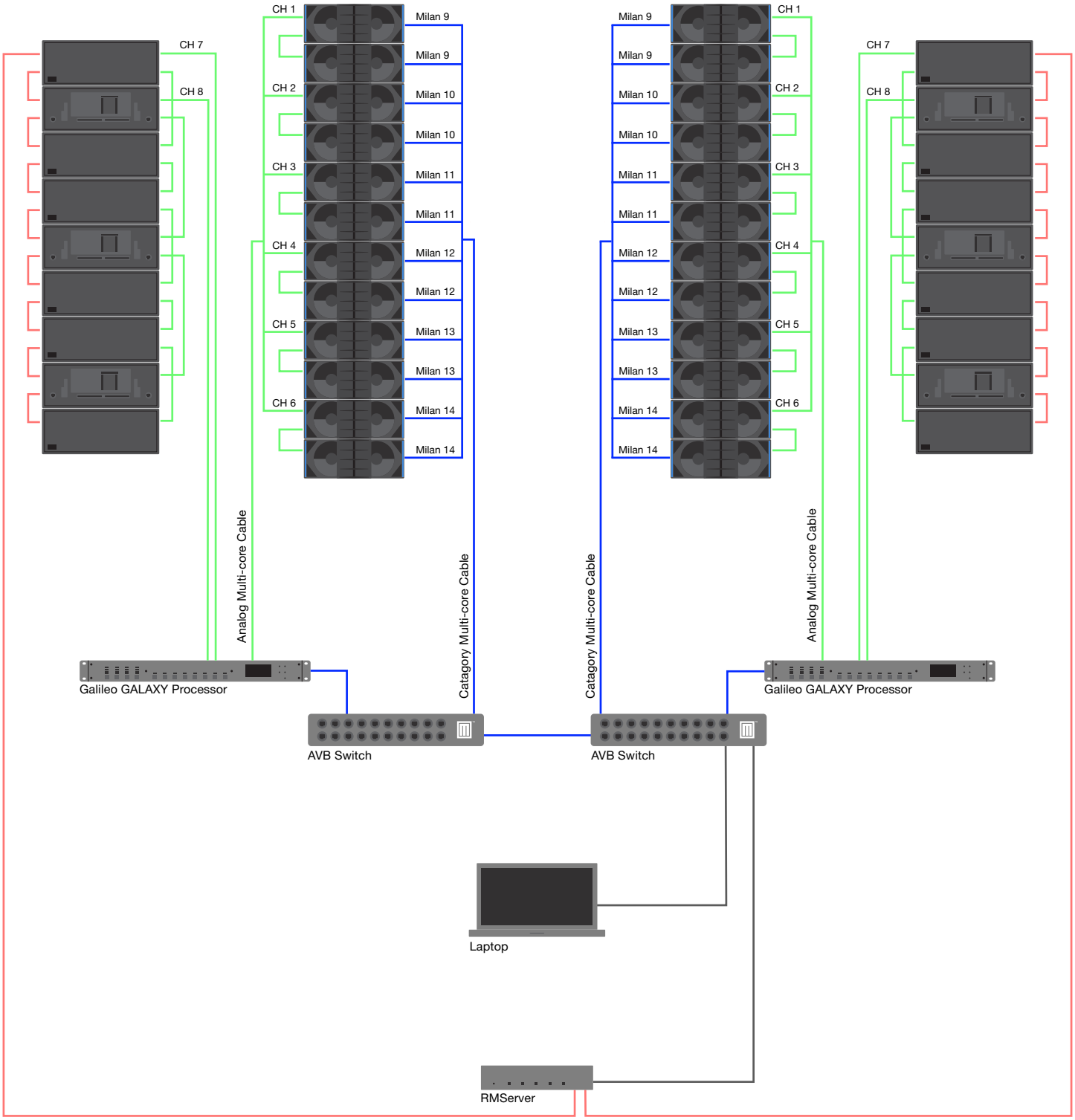
Analog System Example



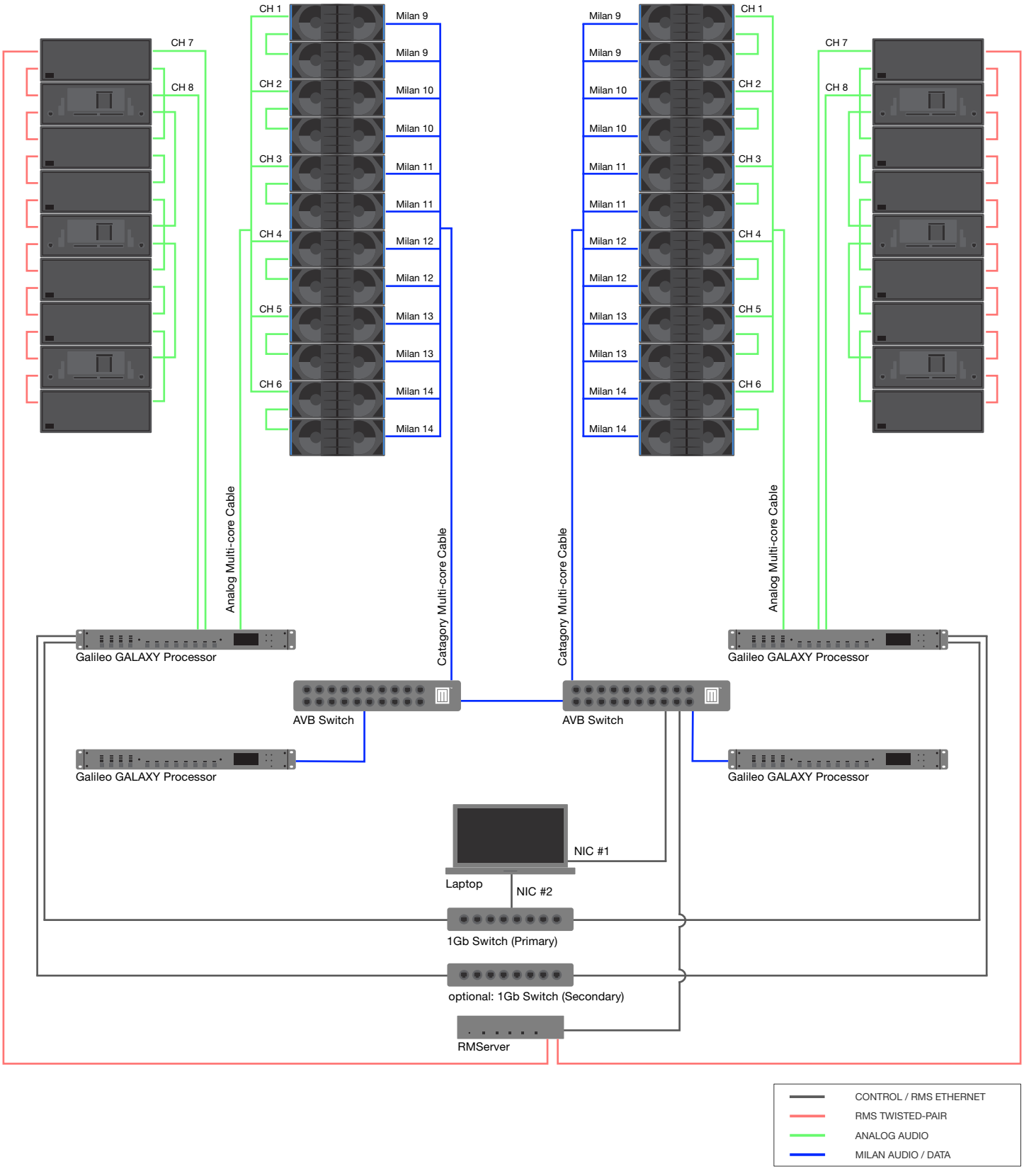
MILAN System Example



MILAN and Analog System Example 1



MILAN and Analog System Example 2



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