

Please Note:

This wiring diagram is provided for reference purposes only and is not specific to any one project.

It illustrates general wiring configurations.

Actual components, modules, power supplies, cable types, and distances may vary depending on project size and site conditions.

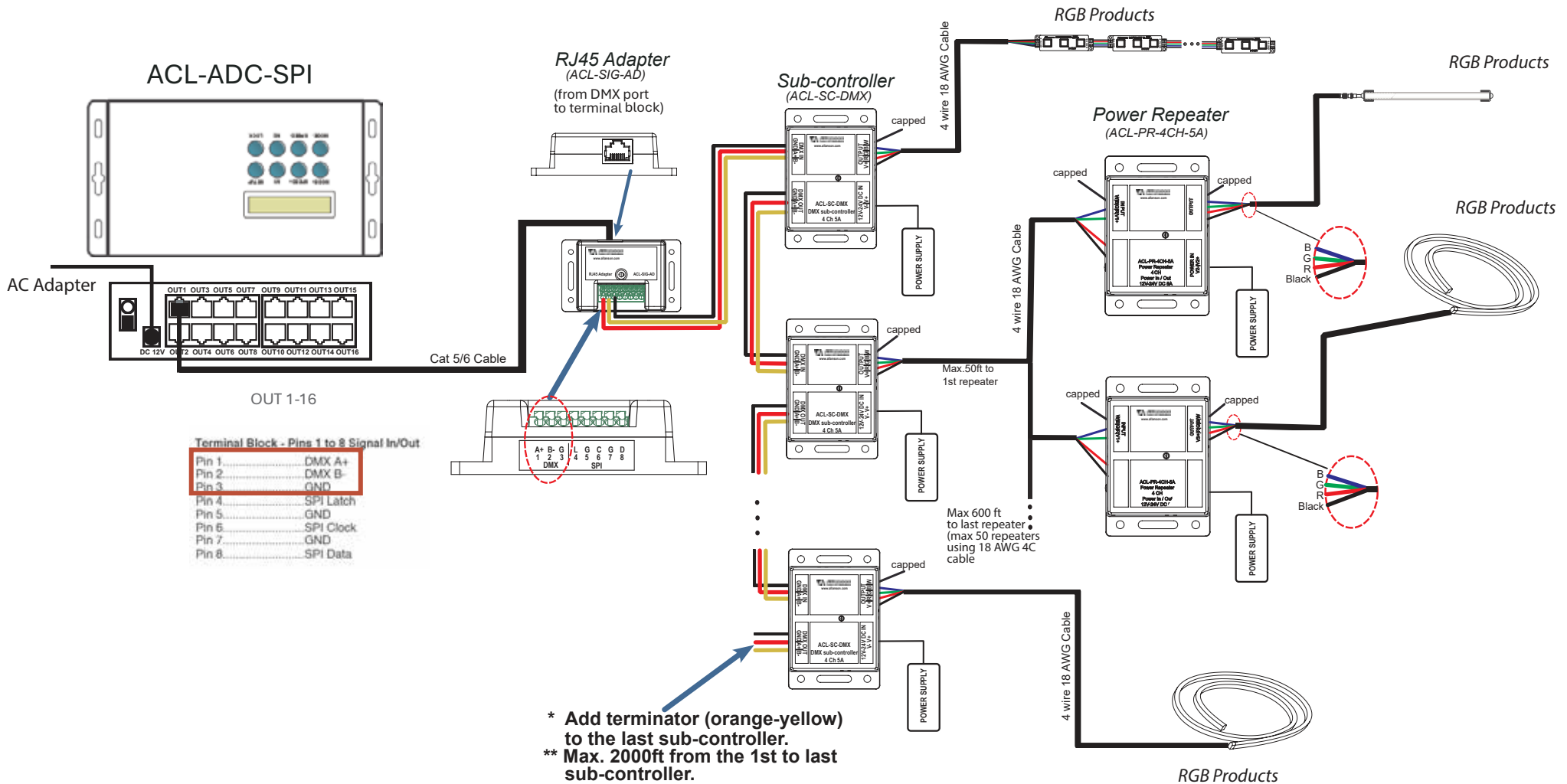
All pre-programming is completed by Allanson's ColorMix Technical Support team.

For maximum loading capacity and compatible power supplies, please refer to the RGB and/or Addressable product specification sheets.

For additional details, consult the relevant product accessories and components specification sheets.

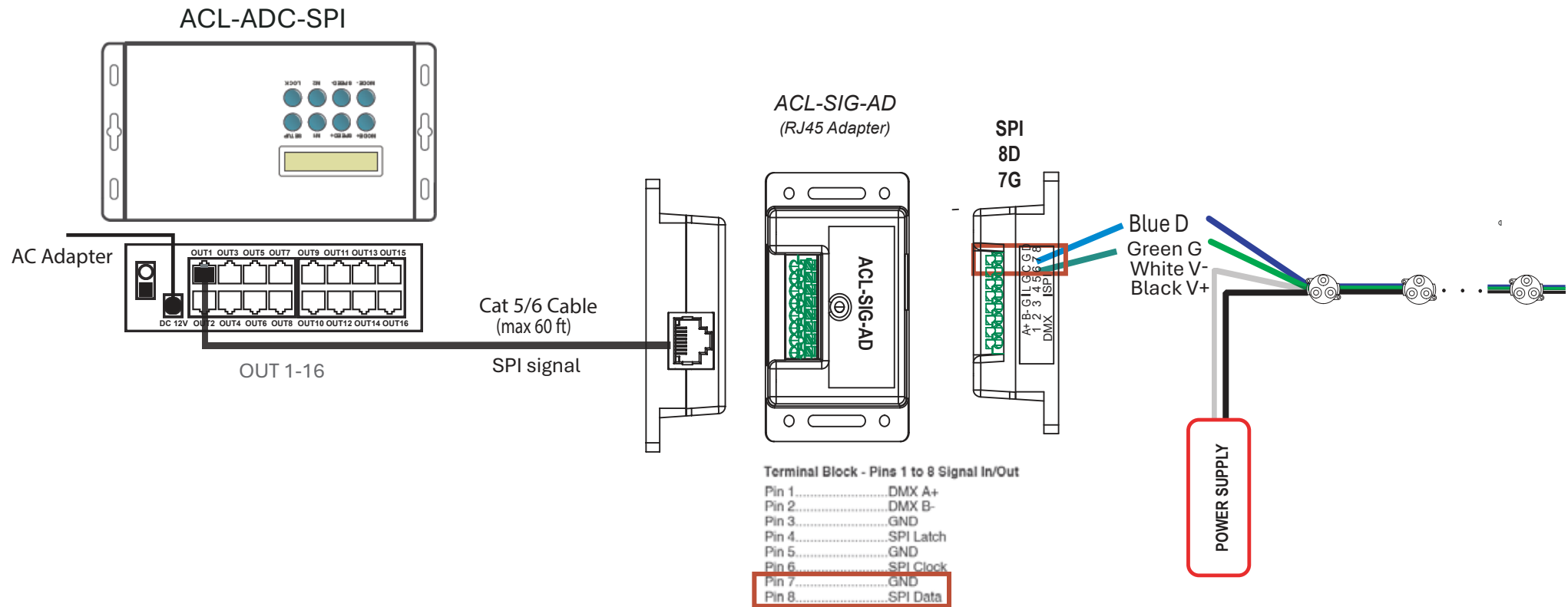
For any inquiries, please contact your regional Allanson sales manager.

Scenario #1: DMX System



Scenario #2: SPI System

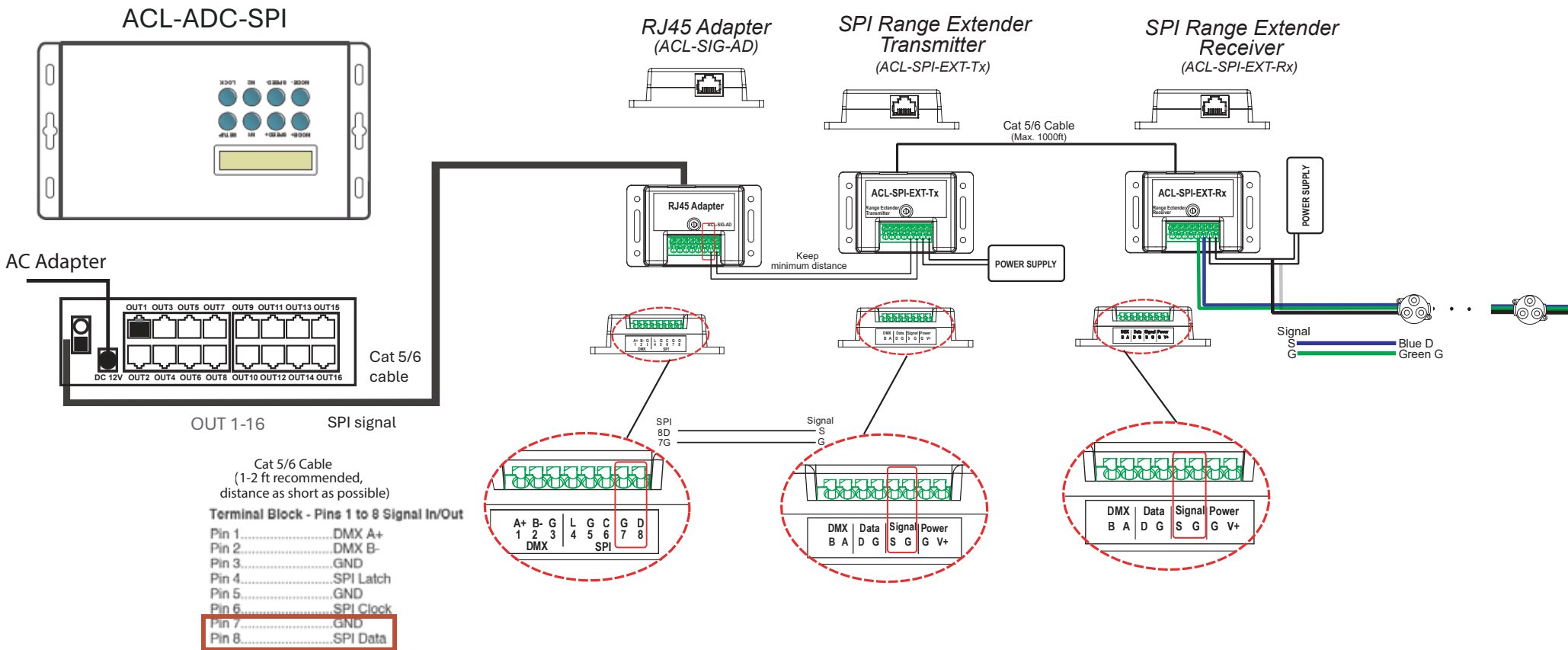
The Master Controller can be connected directly to modules if the distance is shorter than 60 ft (an adapter is still required).



Note: Follow the directional arrows on the modules to ensure the correct wiring orientation.

Scenario #3: SPI System

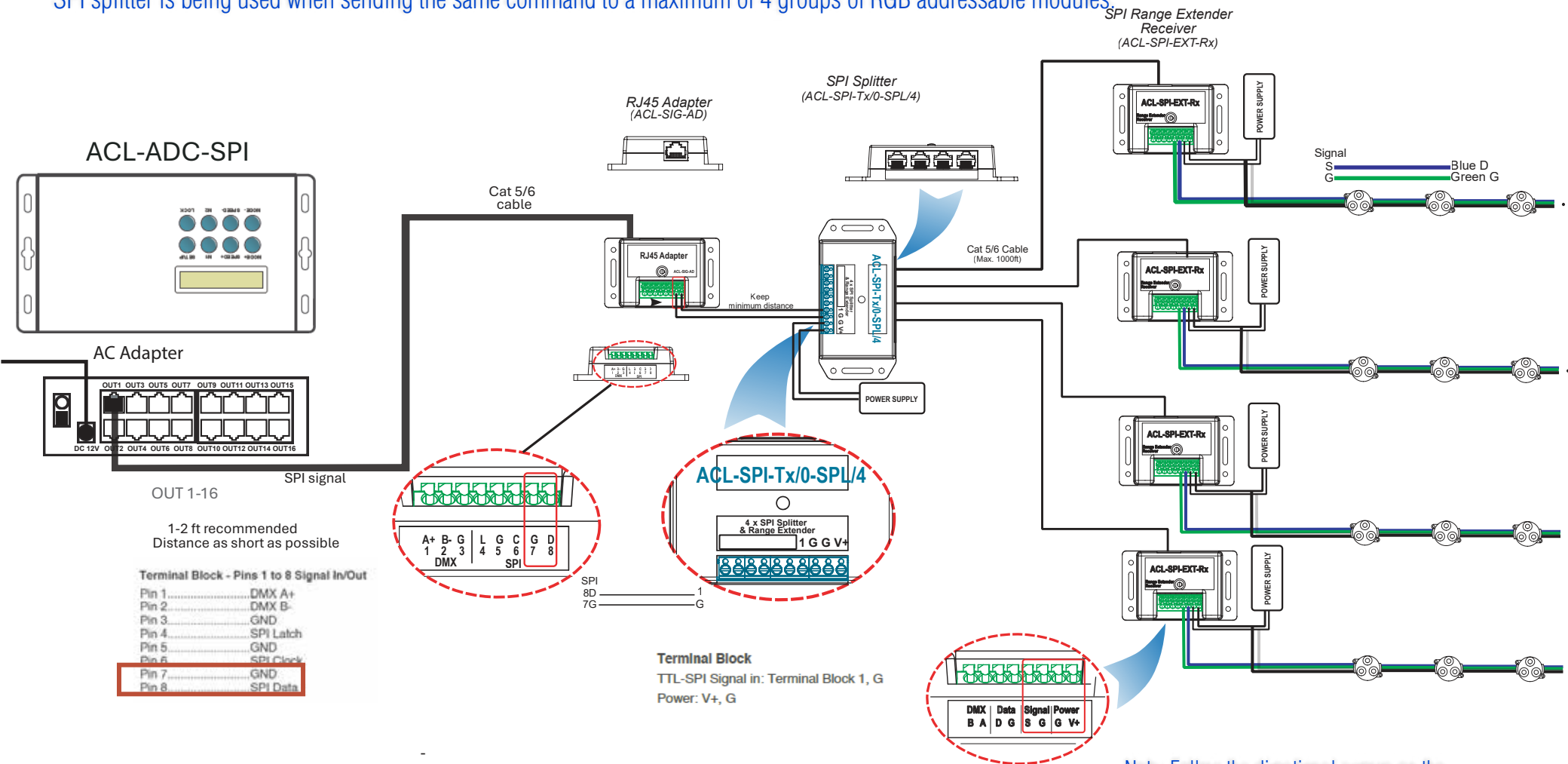
SPI range extenders (transmitter & receiver) are being used as a pair when addressable modules are more than 60 ft. away.
Single channel only (one group of modules).



Note: Follow the directional arrows on the modules to ensure the correct wiring orientation.

Scenario #4: SPI System

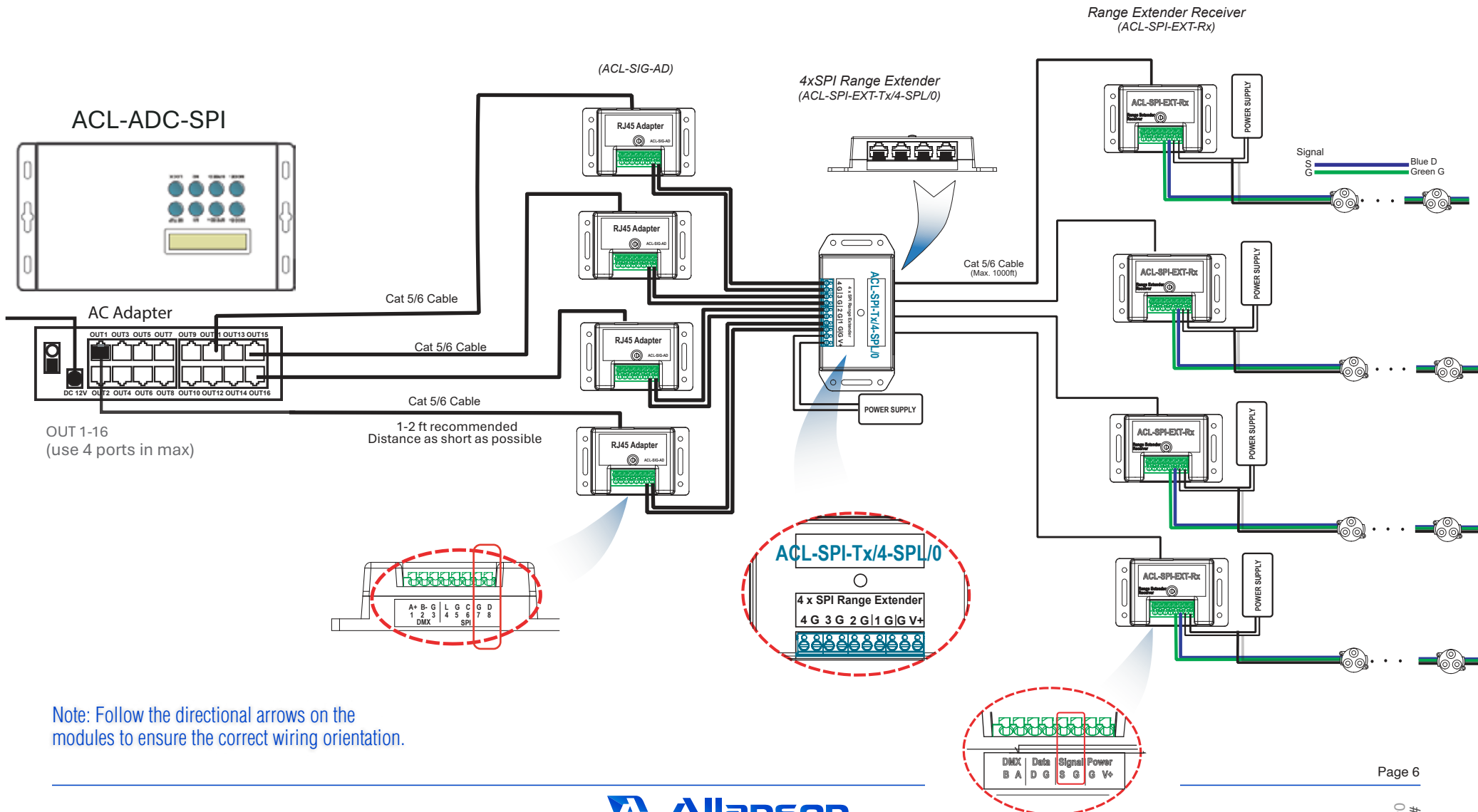
SPI splitter is being used when sending the same command to a maximum of 4 groups of RGB addressable modules.



Note: Follow the directional arrows on the modules to ensure the correct wiring orientation.

Scenario #5: SPI System

4 x SPI Range Extender is being used for controlling a maximum of 4 groups of addressable modules that listen to different commands.



Note: Follow the directional arrows on the modules to ensure the correct wiring orientation.