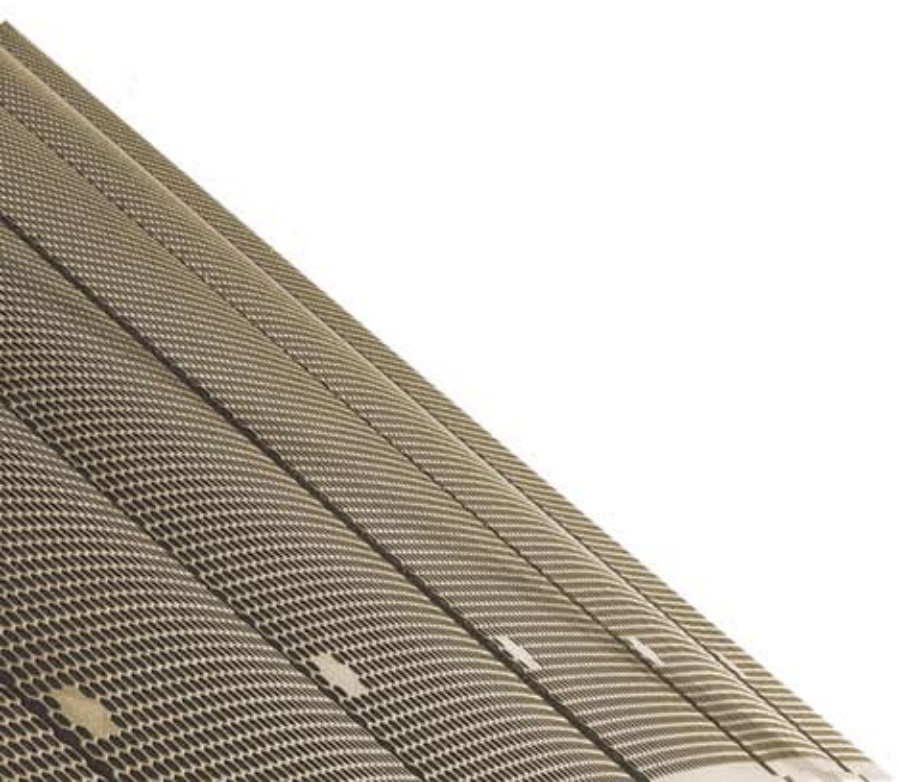




Adamson Systems Engineering

A·I·D·PANEL ^{user} manual
~~INSTALL SERIES~~



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1.0 Introduction



The A.I.D. Panel is available in Install and Touring Versions.
This manual highlights the Install Panel's functions.

The Adamson Integrated Distribution Panel is a 19" rack-mount unit, 2-U high and 10.25" deep.
It consists of three different sections: The inputs, the outputs and communication section. This manual outlines the functions of these sections and explains how to configure them properly.

2.0 Components

The Adamson Integrated Distribution Panel comes ready with all necessary components needed for connectivity within a turnkey solutions rack detailed below.

1 AID Panel



6 x 30" speakon NL2 jumper



2 x 18" speakon NL2 jumper



2 x 30" speakon NL2 Y-jumpers



7 x XLR 30" jumpers



3.0 The inputs

There are two input sections: in the front of the panel, and in the rear of the panel.

The Front Panel

The front panel input section features four XLR female and four XLR male connectors. Each connector is labelled from 1 to 4 indicating where the four signal paths should be used in order to drive the line input of the system. The female connectors are present to facilitate the loop through to another rack or for another application with the same drive line.



The Rear Panel

The rear connectors are indicated similarly by a white square labelled "FROM INPUTS". The male XLR connectors are fed from the front connectors. They are located at the back to facilitate the the input connection from your DSP or amplifier.



The A.I.D. panel has four different input paths. They are labelled with the numbers 1 through 4. **Note: EVERY XLR CONNECTOR LABELLED WITH THE SAME NUMBER IS A PARALLEL CONNECTOR.**

4.0 The outputs

The output section is divided into two, the front panel, and the rear panel.

The Front Panel

The front panel output section is indicated by a white square around the "OUTPUTS" label. Multiple choices of connectors are available, and can be configured depending on the user's preference. The popular choices being NL4, NL8, and Socapex. These connectors are located at the front to facilitate the interconnectivity between the panel and the speaker.

All the connectors are labelled with a number to indicate the corresponding "output group" from which it is getting fed from.



4.0 The outputs

The Rear Panel

The rear panel's output section is separated into four "output group" sections. All the output groups are again identifiable within a white square labelled "TO OUTPUT ##".

Each output group includes four NL4 jacks, facilitating the connectivity of the amplifier to the speaker.

Each NL4 output group is labelled with a number, indicating the pin number for the connector of the "output group"

For a more comprehensive explanation, the simplified schematics on the next pages show the routing of each NL-4 output to its respective "group output" connector.



4.0 The outputs

“Output group” configuration for a NL8 configuration



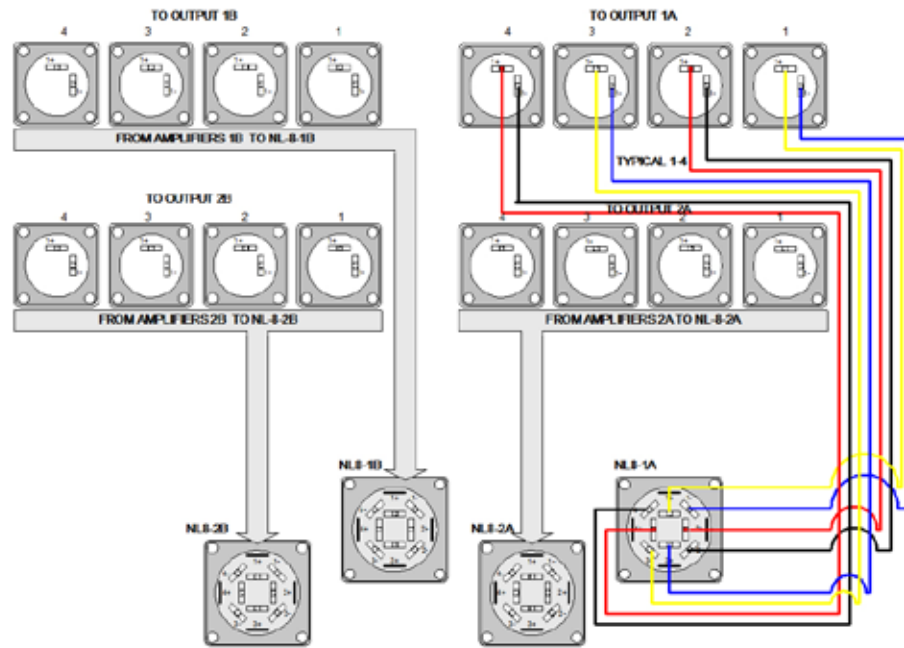
Front view



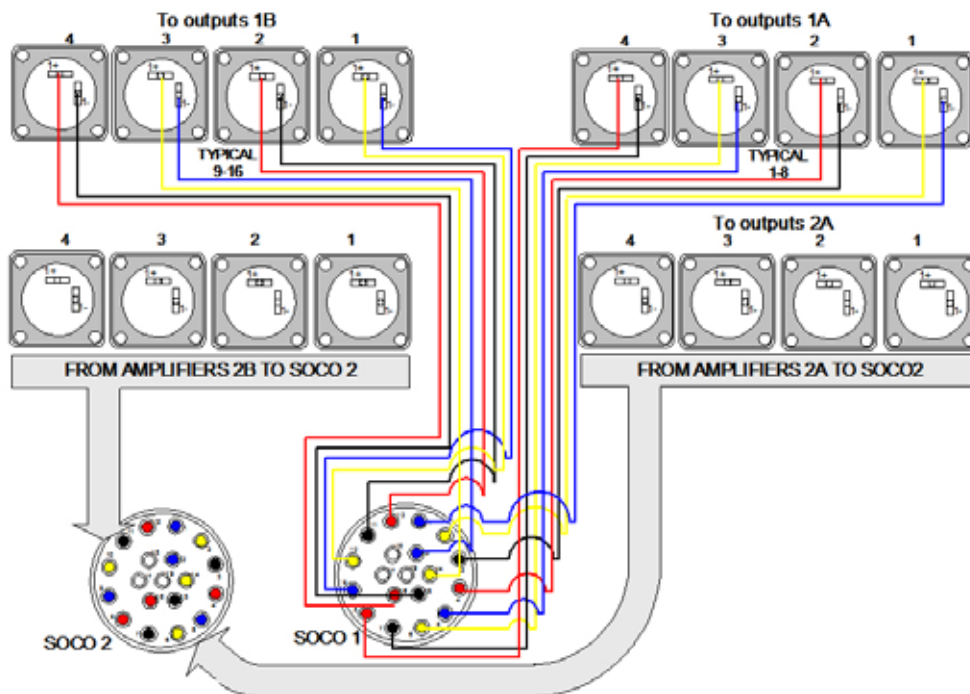
Rear view

4.0 The outputs

“Output group” configuration for NL8 configuration



“Output group” configuration for Socapex configuration





5.0 Communication

The install panel features a RS232 female connector in the front, connecting to a RS232 male in the back. This connector allows easy access to control the unit when placed inside the rack. The XLR Input in the front can be user for RS485.

6.0 Pin-out Chart

For your convenience, below is a pinout chart used in most of our products.

| <u>Backpanel</u> <u>NL4 input</u> | <u>Frontpanel</u> <u>NL8 panel</u> | <u>Frontpanel</u> <u>SOCO 19pin</u> | <u>Splays</u> <u>2NL8</u> | <u>Splays</u> <u>4NL8 sub</u> | <u>Splays</u> <u>4NL4</u> |
|--------------------------------------|---------------------------------------|--|------------------------------|----------------------------------|------------------------------|
| 1A-1 | 1A 1-/+ | 1 - Pin 1,2 | BRN 1-/+ | BRN 1-/+ | BRN 1-/+ |
| 1A-2 | 1A 2-/+ | 1- Pin 3,4 | BRN 2-/+ | BRN 2-/+ | BRN 2-/+ |
| 1A-2 | 1A 3-/+ | 1- Pin 7,8 | BRN 3-/+ | RED 1-/+ | RED 1-/+ |
| 1A-4 | 1A 4 -/+ | 1- Pin 9,10 | BRN 4-/+ | RED 2-/+ | RED 2-/+ |
| 1B-1 | 1B 1-/+ | 1- Pin 11,12 | RED 1-/+ | ORN 1-/+ | ORN 1-/+ |
| 1B-2 | 1B 2-/+ | 1- Pin 13,14 | RED 2-/+ | ORN 2-/+ | ORN 2-/+ |
| 1B-3 | 1B 3-/+ | 1- Pin 15,16 | RED 3-/+ | YEL 1-/+ | YEL 1-/+ |
| 1B-4 | 1B 4-/+ | 2- Pin 1,2 | RED 4-/+ | YEL 2-/+ | YEL 2-/+ |
| 2A-1 | 2A 1-/+ | 2- Pin 3,4 | | | |
| 2A-2 | 2A 2-/+ | 2- Pin 5,6 | | | |
| 2A-3 | 2A 3-/+ | 2- Pin 7,8 | | | |
| 2A-4 | 2A 4-/+ | 2- Pin 9,10 | | | |
| 2B-1 | 2B 1-/+ | 2- Pin 11,12 | | | |
| 2B-2 | 2B 2-/+ | 2- Pin 13,14 | | | |
| 2B-3 | 2B 3-/+ | 2- Pin 15,16 | | | |
| 2B-4 | 2B 4-/+ | | | | |

Electronic colour code

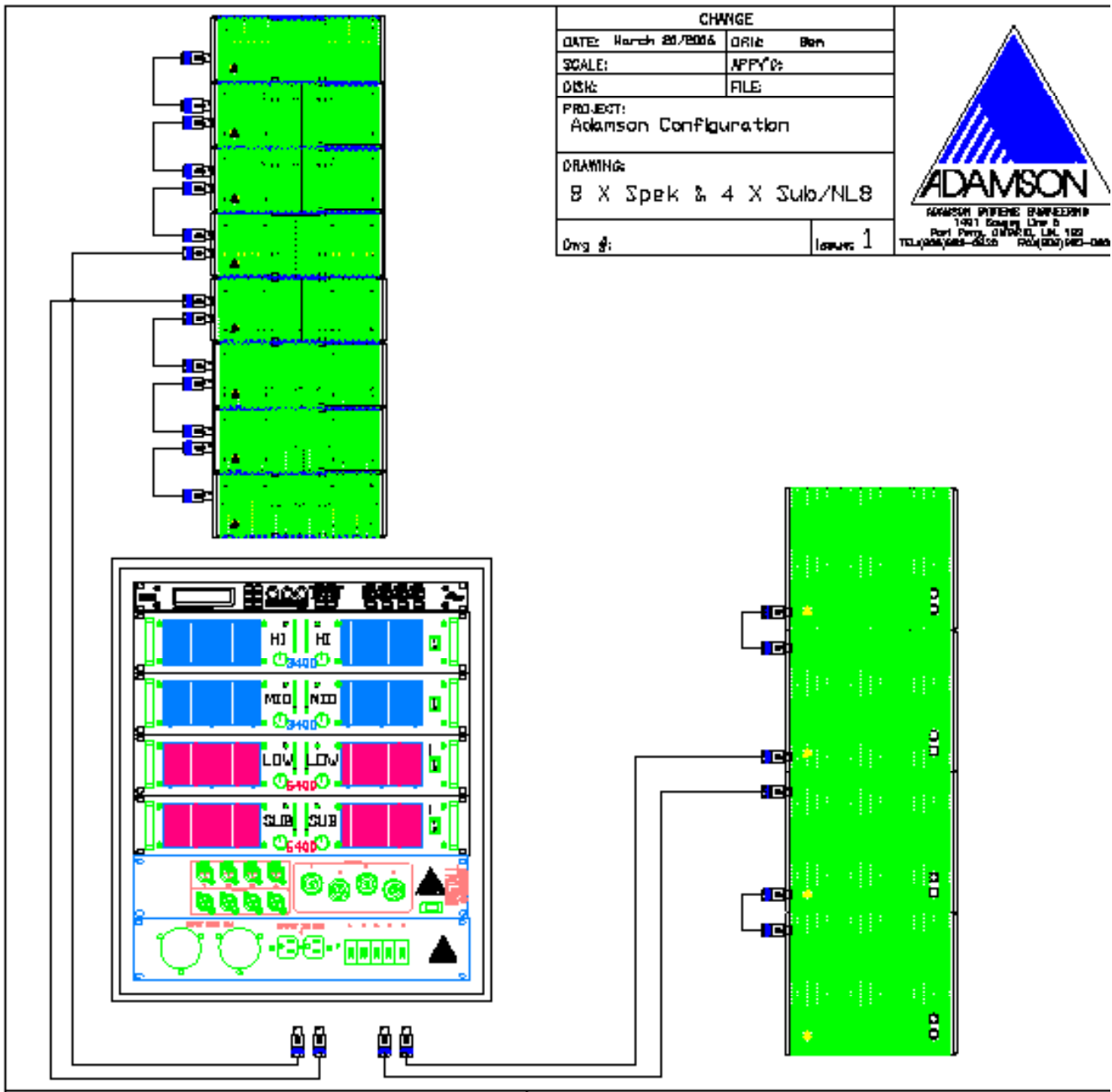
| | |
|--------|---|
| Black | 0 |
| Brown | 1 |
| Red | 2 |
| Orange | 3 |
| Yellow | 4 |
| Green | 5 |
| Blue | 6 |
| Violet | 7 |
| Grey | 8 |
| White | 9 |

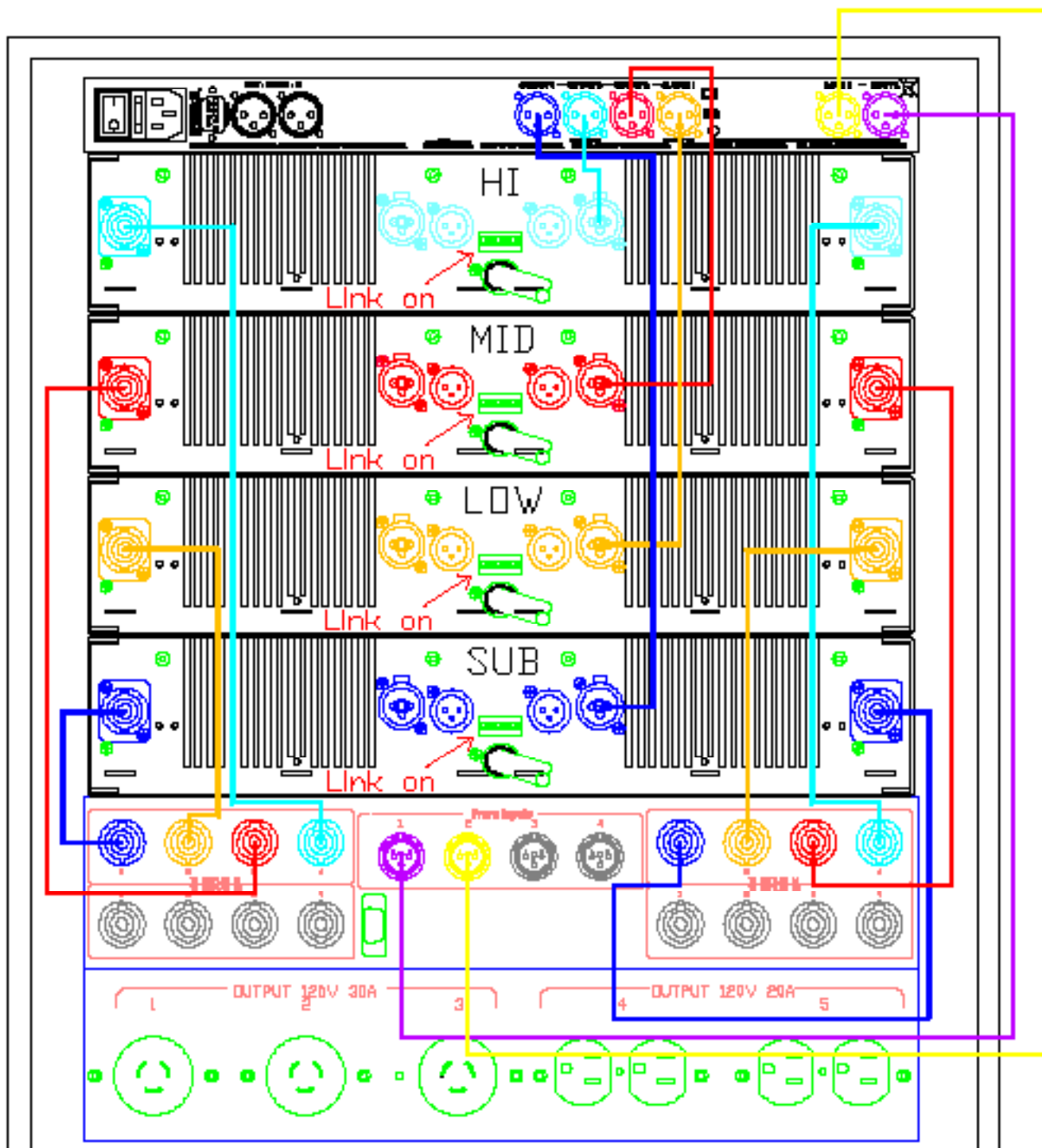


7.0 Configuration examples

Basic configuration for 8 SpekTrix with 4 SpekTrix subs.

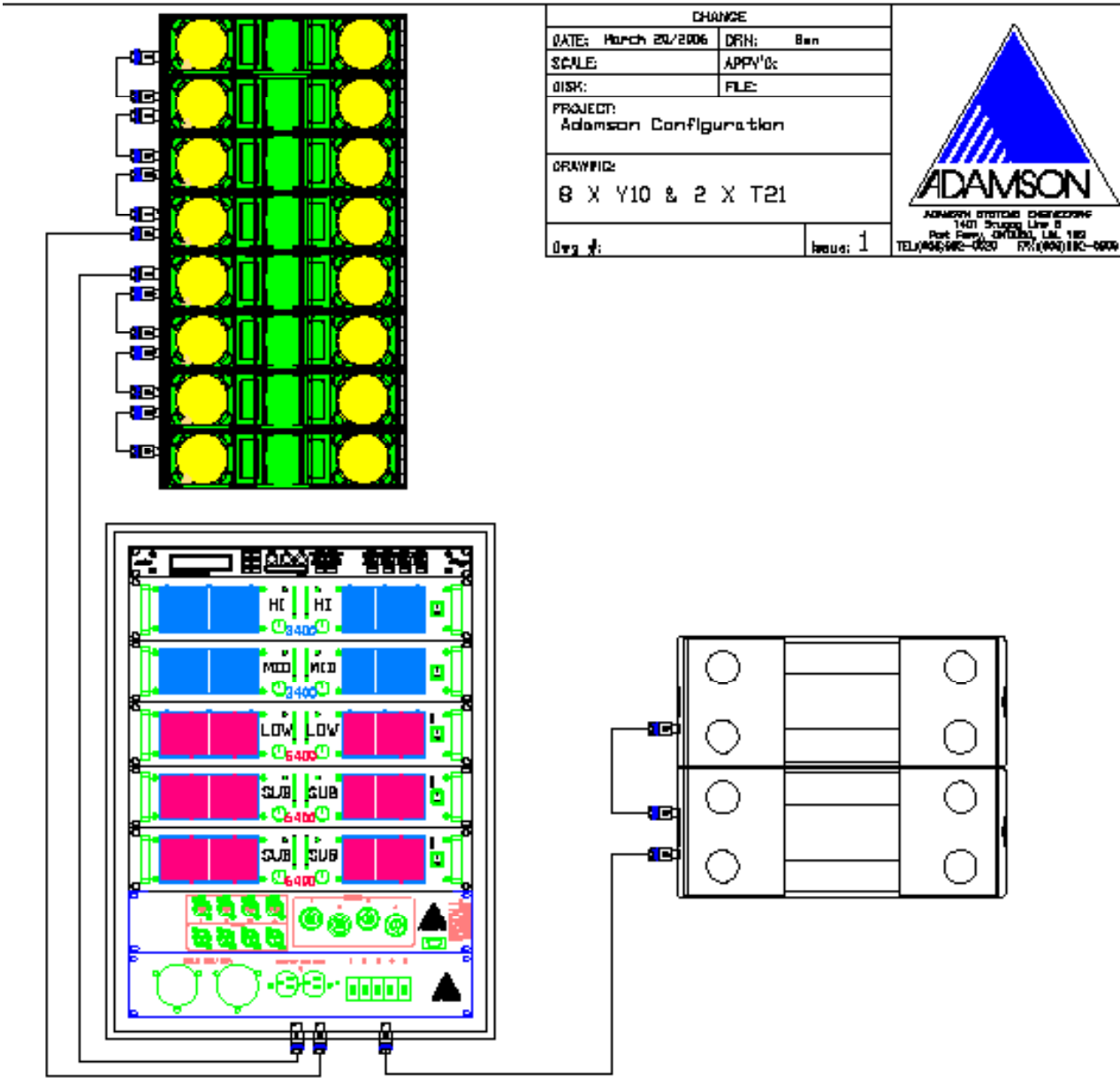
Complete configurations for the full Adamson product Line are available for download in pdf format on our website: www.adamsonproaudio.com/technical_support/index.htm

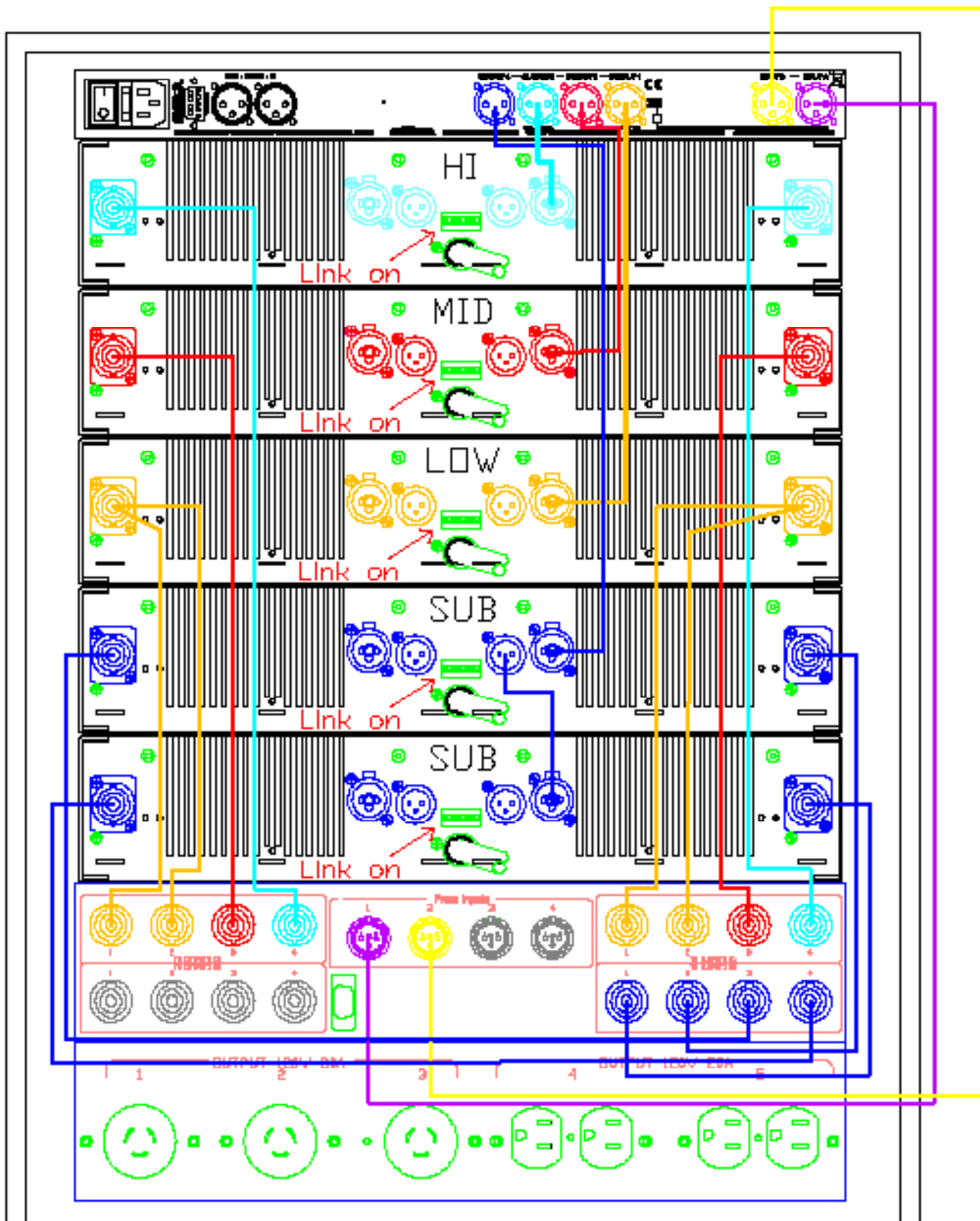






Basic configuration for 8 Y10 with 2 T21 sub







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