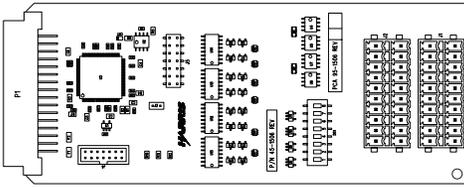
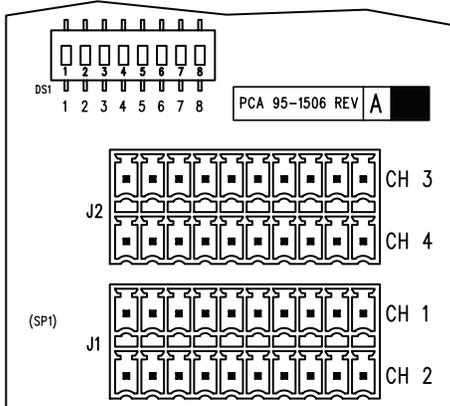


OASIS LOGIC I-O CARD

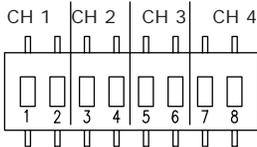


OASIS LOGIC I-O CARD CONNECTIONS



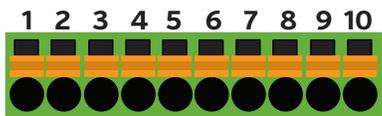
DS1 SETUP SWITCHES

(USE WITH REMOTE PANELS)



SET 1, 3, 5, 7 ON TO TIE LOGIC ENABLE TO +5
SET 2, 4, 6, 8 ON TO TIE TALLY COMMON TO +5

FADER CHANNEL LOGIC



- 1 - INPUTS ENABLE [+5 TO +30 VDC]
- 2 - CHANNEL ON [ACTIVE LOW]
- 3 - CHANNEL OFF [ACTIVE LOW]
- 4 - COUGH or READY [ACTIVE LOW]
- 5 - TALK or CUE [ACTIVE LOW]
- 6 - OUTPUT TALLY or PULSE COMMON
- 7 - ON TALLY or START PULSE
- 8 - OFF TALLY or STOP PULSE
- 9 - LOGIC GROUND
- 10 - +5 VOLTS [250 mA MAX]

OVERVIEW

There are two logic card slots on an Oasis-08 console (shown in the photo, bottom of page). Oasis-12 consoles have a third logic card slot. The logic card slots are narrower than the audio card slots. Logic I/O cards are included (and installed) on the Analog-only Oasis consoles, but are optional cards on standard-build Oasis consoles.

Each Logic I/O card has four 10-terminal Combicon connectors, one for each of the four fader channels connected to that slot. The right-most logic card slot (as viewed from the console rear) has the logic card for channels 1 - 4. The next logic card slot (middle logic slot on an Oasis-12) has the logic card for channels 5 - 8. The third logic card slot has the logic card for channels 9 - 12.

**COMBICON PLUGS:
SOLDERLESS, NO CRIMP
CONNECTIONS**



CARD INSTALLATION (Analog-only consoles have all cards pre-installed)

Insert the Logic I/O card into the appropriate logic card slot for faders 1 - 4, faders 5 - 8, or for faders 9 - 12. Logic I/O cards are optional on standard consoles, so not all logic card slots may have a Logic I/O card installed. Logic I/O cards are hot-swappable, so power can be applied to the console while plugging or unplugging a card. Slide in the card, on the card guides, firmly seating it into its motherboard connector. To complete the installation, fasten the card using the #2 Phillips screw from the installation kit, which also includes the four 10-terminal Combicon plugs for that card.

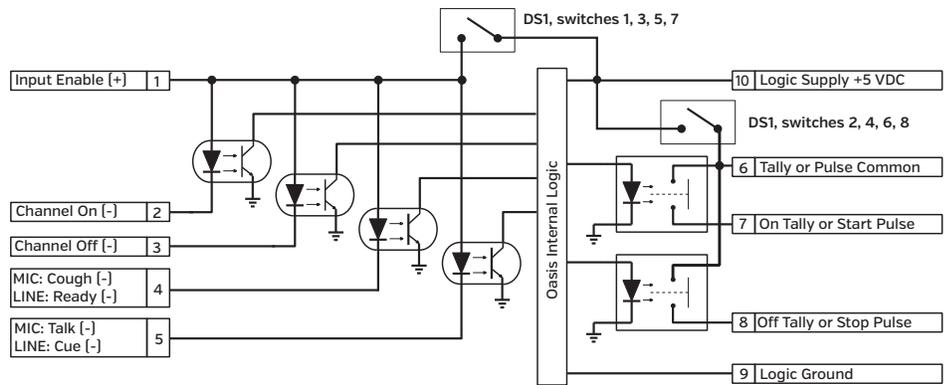
CARD CONFIGURATION

See the detail view of DS1 (left, below), an 8-position multi-switch used to simplify wiring a remote mic control or other button control panel. The odd numbered switches, when set On, jumper terminal 1 (Input Enable) to terminal 10 (+5 volts) to enable each of the four logic inputs. The even numbered switches, when set On, jumper terminal 6 (Tally common) to terminal 10 (+5 volts) to supply voltage to the panel switch LEDs for each logic output. To maintain isolated operation with active devices, like CD players and automation systems, set both DS1 switches to Off on the channel and do not connect terminals 9 and 10. Voltage and ground are then sourced from the active device.

The four logic inputs (see the simplified Logic Circuit diagram, below) are activated by being pulled low (the Input Enable terminal must be pulled-up, by a voltage from the active device or by +5 VDC). The two logic outputs (terminals 7 and 8) are fully isolated "dry contact" style closures, using a common return path on terminal 6. These can be configured as tallies or as pulsed outputs.

Refer to the Oasis User Manual (customer doc 75-58) for details on connecting wiring to the Combicon plugs and on using the Oasis Control Center (OCC app) to configure the logic inputs and outputs for use with mic control panels and with active devices.

OASIS FADER CHANNEL LOGIC (SIMPLIFIED)



Notes:

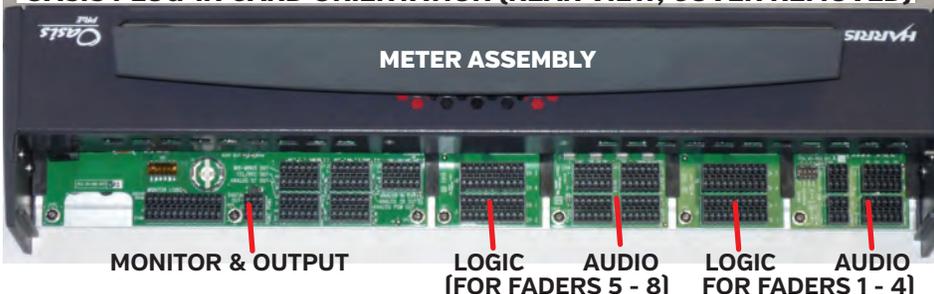
Inputs are opto-isolated and current limited for logic voltages from +5 to +40 VDC.

Outputs are opto-isolated and can handle up to 60 volts DC, 350 mA max. current flow.

Set both DS1 switches On when connecting to a mic control panel or to other isolated button-style remote panels.

For fully isolated operation with active devices, do not connect to terminals 9 or 10 [GND and +5] and set both DS1 switches Off.

OASIS PLUG-IN CARD ORIENTATION (REAR VIEW, COVER REMOVED)



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