



I/O RACK

RSio64-D

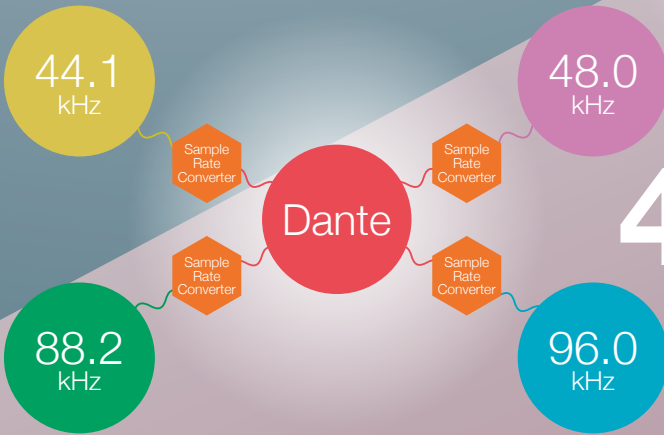
R SERIES

The Extensive Mini-YGDAI Card Lineup on a Dante Network

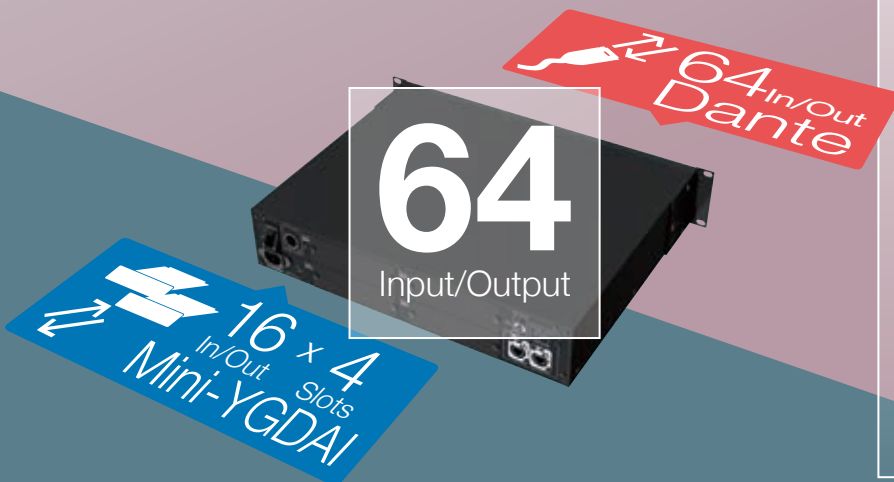


The RSio64-D, the latest addition to the R series, is an audio interface that can convert between Dante and Mini-YGDAI formats for up to 64 inputs and 64 outputs. It provides versatile routing capability as well. Four Mini-YGDAI card slots allow cards for a wide variety of input/output formats as well as processing functions to be connected to a Dante network for live sound, broadcast, recording, post production, and other applications. The RSio64-D also supports remote setup from CL and QL series consoles.

Dante / Mini-YGDAI card Conversion



4 SRCs
One for Each Slot

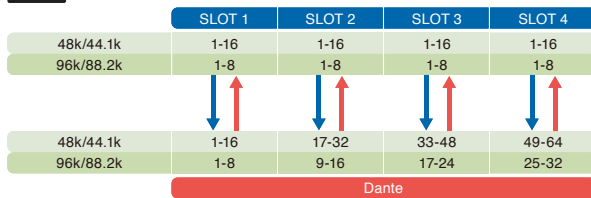


7 Routing Patterns

Including routing between Mini-YGDAL cards



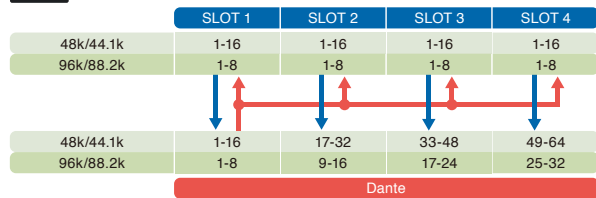
PATTERN 1 Dante and slot inputs and outputs connected one-to-one



This can be useful for a variety of situations, such as connecting a Dante signal to an AES/EBU digital amplifier, converting a Dante signal to AVIOM format for a personal monitor system, connecting AES/EBU input to a Dante network, and more.



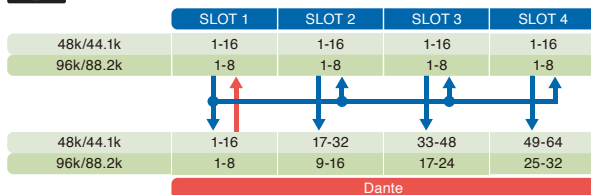
PATTERN 5 Dante inputs 1~16* distributed to all slots



If the same type of card is installed in all four slots the system functions as a simple audio splitter, whereas if different cards are installed it is possible to simultaneously split and convert.



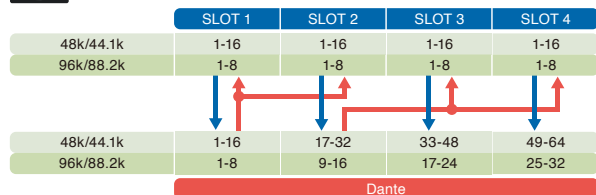
PATTERN 2 Slot 1 input distributed to Slots 2~4



For example, if an MY16-AE AES/EBU card is installed in slot 1 and ADAT or EtherSound cards are installed in slots 2 through 4, AES/EBU input can be simultaneously converted to Dante format as well as ADAT and/or EtherSound, up to three different output formats. With this routing pattern input to slots 2 through 4 can also be converted to Dante format.



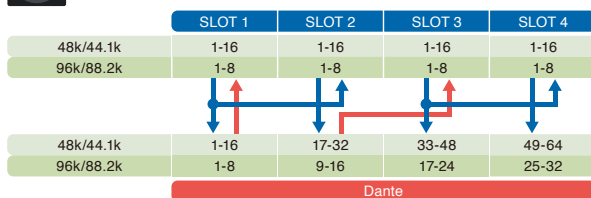
PATTERN 6 Dante inputs 1~16* to slots 1 and 2 / Dante inputs 17~32* to slots 3 and 4



For example, Dante inputs 1 through 16* could be output in AES/EBU format via slot 1 and in ADAT format via slot 2. At the same time Dante inputs 17 through 32* could be output in AES/EBU format via slot 3 and in ADAT format via slot 4.



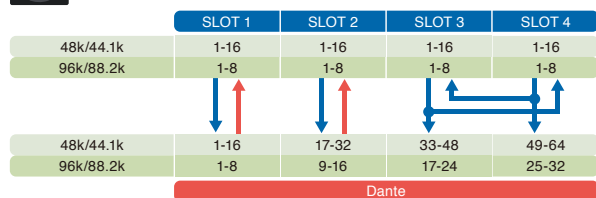
PATTERN 3 Slot 1 input to slot 2 / slot 3 input to slot 4



For example, with an MY16-ES64 EtherSound card in slot 1, an MY16-EX I/O expansion card in slot 3, and MY16-AE AES/EBU cards in slots 2 and 4, it is possible to convert 32* channels of EtherSound input to Dante while simultaneously converting and distributing to AES/EBU output.



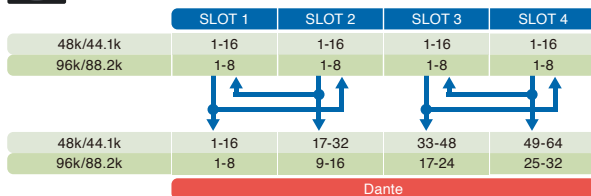
PATTERN 7 Dante 1~32* and slots 1 and 2 one-to-one / Slots 3 and 4 mutual



This is a combination of Patterns 1 and 4, described above, providing both simple direct conversion as well as mutual connection between slots.



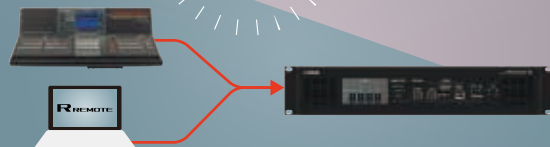
PATTERN 4 Slot 1 and 2 mutual / slot 3 and 4 mutual



If an MY16-AT ADAT card is installed in slot 1 and an MY16-AE AES/EBU card is installed in slot 2, for example, it is possible to convert bi-directionally between ADAT and AES/EBU while simultaneously converting from ADAT and AES/EBU to Dante format. Slots 3 and 4 are configured in the same way as slots 1 and 2.

+1 User Pattern

Supports matrix patching



Used with the R Remote software application or a CL or QL series console, full matrix patching is supported so that more complex routing can be set up as required.

* At 48/44.1 kHz

System Example

Infinite applications



live sound, broadcast, recording, post production, and more

Example 1 : Interfacing to amp racks and RF receivers

With four MY16-AE AES/EBU cards installed, the AES/EBU output from RF receivers can be converted to Dante format and fed to a CL or QL series console, while the Dante signal is converted to AES/EBU for connection to digital-input power amplifiers.



Example 2 : Lake processing 1

With this setup Dante input from a CL or QL series console can be fed to the MY8-LAKE cards and then simultaneously output via Dante, the AES/EBU outputs of the MY8-LAKE card, and the analog outputs of the MY8-DA96 card after processing.

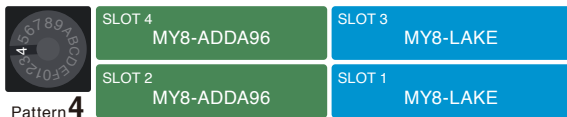
* The RSio64-D sample rate converters cannot be used with the MY8-LAKE AES/EBU inputs. Word clock synchronization must be provided if the MY8-LAKE AES/EBU inputs are to be used.



Example 3 : Lake processing 2

The RSio64-D can be used as a stand-alone Lake processor with analog and digital I/O if MY8-LAKE cards are installed in slots 1 and 3 while MY8-ADDA96 cards are installed in slots 2 and 4.

* The RSio64-D sample rate converters cannot be used with the MY8-LAKE AES/EBU inputs. Word clock synchronization must be provided if the MY8-LAKE AES/EBU inputs are to be used.



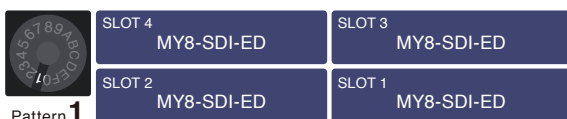
Example 4 : EtherSound Bridge and AVIOM

An AVIOM16/O-Y1 AVIOM card installed in slot 1 allows connection to a personal monitor system. If an MY16-ES64 EtherSound card is also installed in slot 2 while MY16-EX I/O expansion cards are installed in slots 3 and 4, it becomes possible to simultaneously convert between Dante and EtherSound.



Example 5 : Video I/O

Four MY8-SDI-ED embed/de-embed cards can be installed in the RSio64-D slots to provide bi-directional conversion between Dante and HD-SDI/SD-SDI signals.



4 Card, Any Combination

I/O plus functions such as Lake processing and Dan Dugan automatic mixing

Over 30 Cards Available

Processing Card



MY8-LAKE
Lake Processing Card



DUGAN-MY16
Automatic Mixing Controller Card



WSG-Y16
Waves SoundGrid Interface Card

Analog Cards



MY8-ADDA96
96 kHz Compatible 8-Channel Analog I/O card



MY8-AD96
96 kHz Compatible 8-Channel Analog Input Card



MY4-AD
4-Channel Analog Input Card



MY8-AD24
8-Channel Analog Input Card



MY8-DA96
96kHz Compatible 8-Channel Analog Output Card



MY4-DA
4-Channel Analog Output Card

Digital Cards



MY16-AT
16-Channel ADAT I/O Card



MY8-AT
8-Channel ADAT I/O Card



MY16-AE
16-Channel AES/EBU I/O Card



MY8-AE96S
96kHz Compatible 8-Channel AES/EBU I/O Card with Sampling Rate Converter



MY8-AE96
96kHz Compatible 8-Channel AES/EBU I/O Card



MY8-AE
8-Channel AES/EBU I/O Card



MY8-AEB
8-Channel AES/EBU I/O Card with REF Video Input



MY16-MD64
16-Channel MADI Interface Card



MY8-SDI-ED
8-Channel HD-SDI/SD-SDI Embedder/De-embedder Interface Card



MY8-SDI-D
8-Channel HD-SDI De-embedder Interface Card



MY16-TD
16-Channel TDIF-1 (TASCAM) Format I/O card



MY8-TD
8-Channel TDIF-1 (TASCAM) Format I/O Card

Network Cards



AVIOM16/O-Y1
16-Channel Pro16 A-Net Network Output Card



AVIOM6416Y2
16-Channel Pro64 A-Net Network I/O Card



MY16-CII
16-Channel CobraNet™ Network I/O Card



Dante-MY16-AUD
16-Channel Dante Network I/O Card



MY16-ES64
16-Channel EtherSound Network I/O Card



AVY16-ES100
16-Channel Auvitrans EtherSound Network I/O Card



MY16-EX
16-Channel EtherSound/MADI I/O Expansion Card



YG2
16-Channel Optocore Network I/O Card



YS2
16-Channel Optocore I/O Expansion Card for YG2



RN.341.MY
16-Channel RockNet300 Network I/O Card



RN.141.MY
16-Channel RockNet100 Network I/O Card



Pivitec e16i/o-MY
16-Channel Pivitec Network I/O Card

Mini-YGDAI Card Matching

Check the Yamaha website to determine whether the card is compatible with the RSio64-D, and to verify the total number of Yamaha or third-party cards that can be installed in combination with that card.

<http://www.yamahaproaudio.com/>



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