

The Goldmund Audio Processors *(sort of...)*

2004

confidential

The Dream

- *Single System approach. From 2 to 32 Channels without even knowing it...*
- *Any speaker placement (decorator's dream)*
- *Any speaker number (forget the Dolby/DTS battle)*
- *No adjustment needed to play the best 2ch system in the world out of a perfect 7.1 Home Theater room*
- *Sound quality like you never dreamed of from a film*
- *Feed all other rooms in the house*

Usual Audio Processor's Limitations

- 2-channel and Home-Theater are different
- Formats linked to Dolby, DTS, etc without room setup flexibility. Speaker position determined by the format
- Channel number limited to existing formats
- External zones very limited for multi-room or recording
- Very constricted sound quality
- Long connections difficult in large rooms
- Center channel impossible to install

The 3 Goldmund Controllers

- *Ultimate Line* : Mimesis 24



- *High End Line* : Mimesis 30
(Available 2Q 04)



- *Entry Line* : SR Control
(Available 1Q 05)



Connect everything

- Large number of inputs :
 - 22(10) channels Analogue (2(1) x 6ch + 5(2) x 2ch)
 - 7(4) multi-channel Digital (3(4) x RCA, 2(1) x XLR, 1(1) x Toslink, 1(1) x ATT)
- Large number of outputs :
 - 32 (16) digital channels (16 (8) x SPDIF)
- Linkable for automation with computer (Chiasma1) and Video Processor (Goldmund Eidos 25).
- RS232 full control.

Red numbers = Mimesis 30

The Goldmund "Open Format"

Forget Dolby and DTS formats, Goldmund proprietary format is far better :

- Speakers are set in the room in the most convenient or most decorative way, not the way told by Dolby or DTS
- The number of speakers is not limited by the input format
- No obsolescence if a new format appears
- Goldmund TH3 center channel possible including in the rear or on side
- Goldmund 14.2 for Full Epilogue
- Automatic format adaptation with source

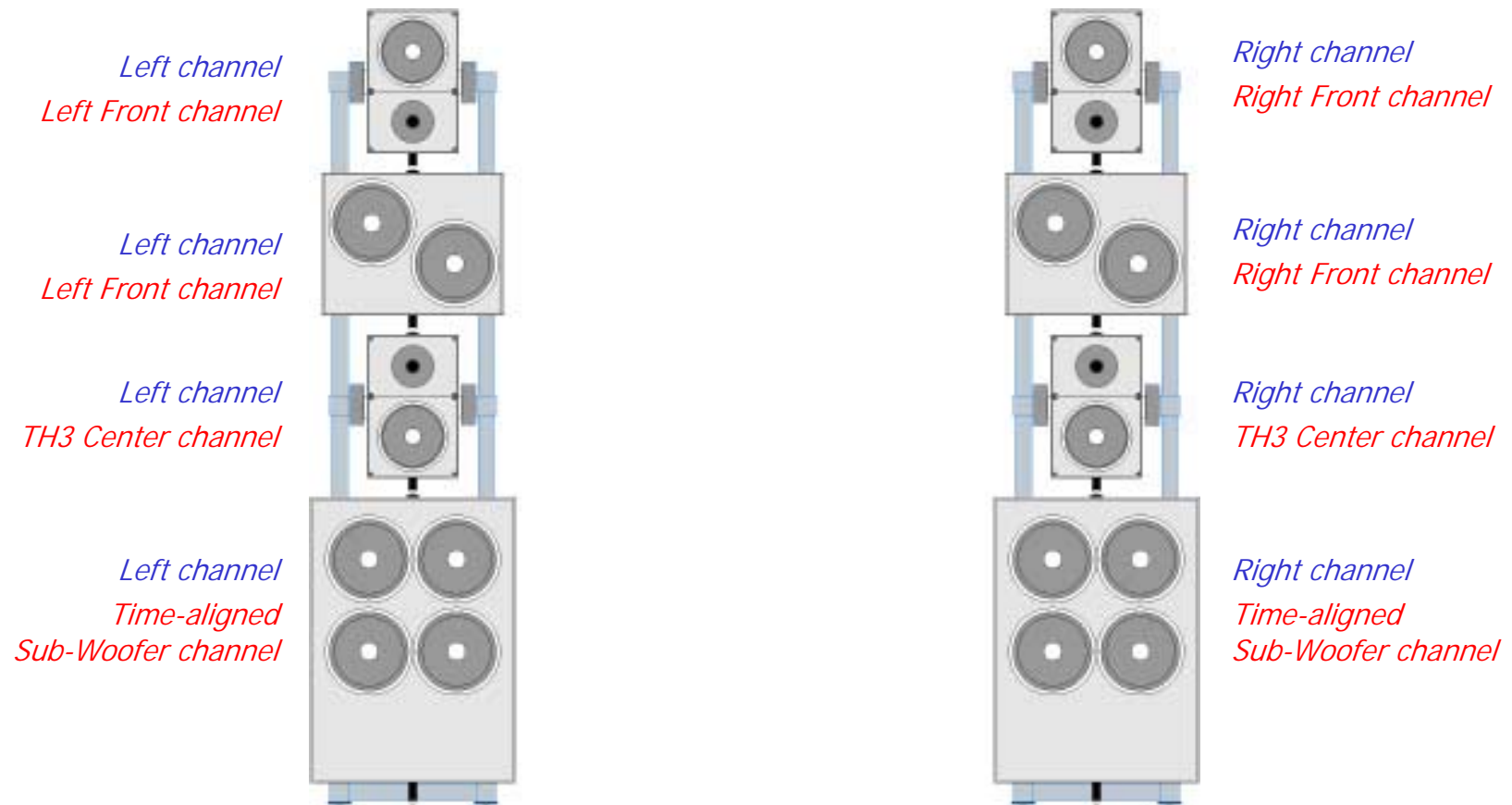
From Format To Configuration

The Goldmund Magic Configurator

- Each output channel goes to a speaker
- Each speaker is defined :
 - Separate Level for 2ch, 5.1ch, 7.1ch source (speaker type and balance)
 - Delay (distance in room)
 - Individual Signal mix for 2ch, 5.1ch and 7.1ch source (circular position in room)
 - Action of remote balance
- The switching of all parameters is automatic and seamless when different sources are received

The Full Epilogue 8 channels

Typical 2-ch - multi-channel Goldmund TH3 Front Configurations

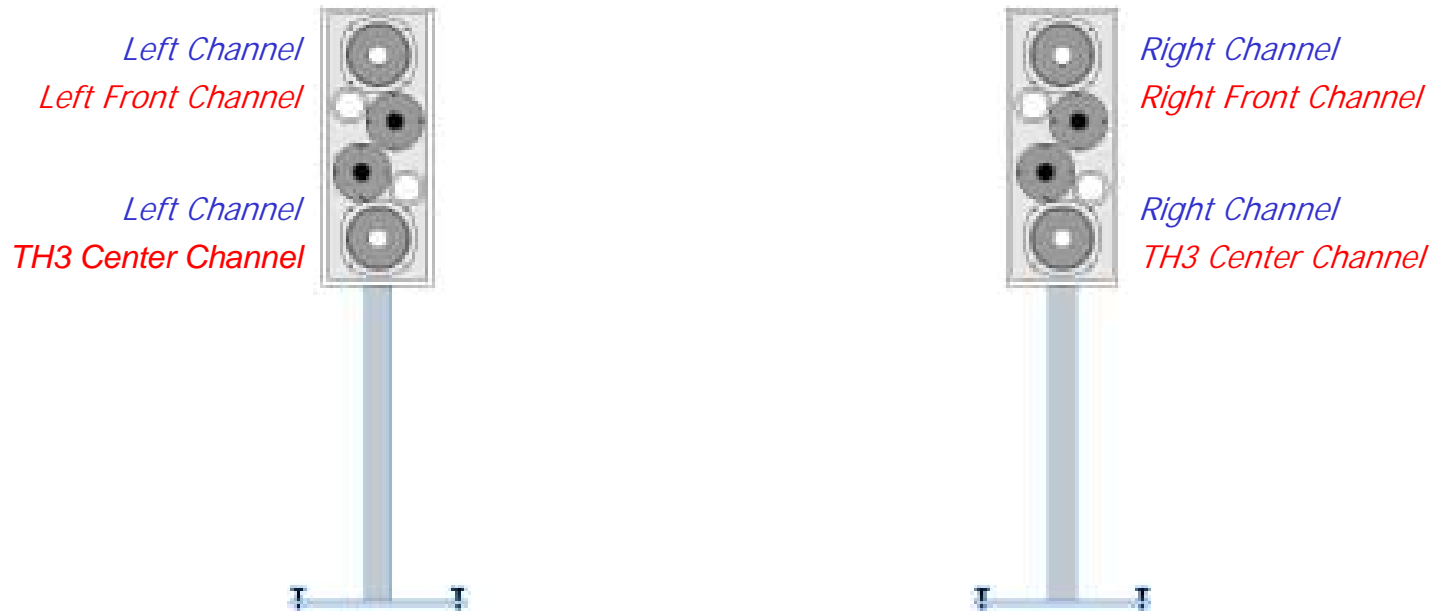


Blue = 2 channel

Red = Multi-Channel

The Logos 4 channels

Typical 2-ch - multi-channel Goldmund TH3 Front Configuration



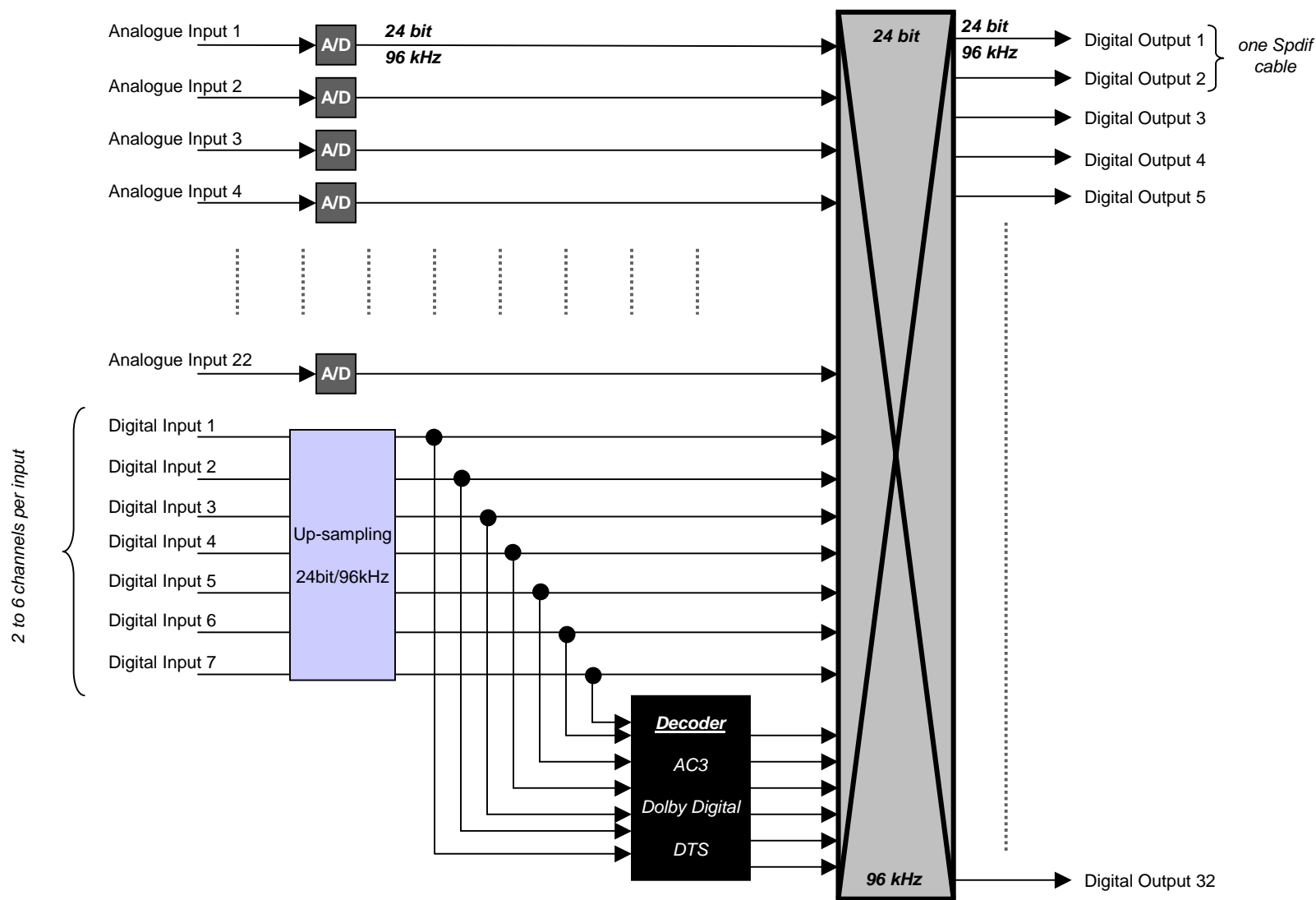
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Extreme Multi-Zone Flexibility

- Up to 14 separate zones of 2 or more channels
- Each zone can select a source independently
- Each external zone can be for recording
- The multi-channel decoder may be affected to the multi-channel source playing but the 5 or 7 channels may also be sent to more than one zone

Processing Flow Chart (Mimesis 24)



Goldmund Ultimate Sound Quality

- All channel outputs are digital. Long cables are keeping the quality even in large rooms
- All multi-channel decoding are proprietary processed at maximum definition with AudioNetworks DASE optimizer
- All sources are processed in 96kHz 24bits
- Ultimate A/D quality for the analogue sources

Future Extensions

- The DSPs may be used to process any channel in level but also frequency response, phase response, time response.

Software only...

- Multi-channel dividers are easy to create.

Software only...

- Speakers may be corrected (the JBL Project and others...).

Software only...