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Zero 88 Merging Vari Lite Gateway 8 User Guide

Contents

Zero 88 Merging Vari Lite Gateway 8

Product Information

Specifications

- **Merging:** HTP/LTP or Priority
- **Merge Output:** DMX
- **Merge Compatibility:** Art-Net, sACN

- **Art-Net Merging:** Streams from different IP addresses directed to the same Port-Address will be merged
- **sACN Merging:** Streams from different IP addresses directed to the same universe will be merged based on priority
- **Multicast Support:** Yes

Product Usage

Merging with Art-Net
If you have two streams from different IP addresses directed to the same Port-Address, the Gateway 8 will automatically merge them. However, if more than two streams are directed to the same Port-Address, they will be ignored.

Merging with sACN

- The Gateway 8 can merge both unicast and multicast data for sACN. If you have two streams from different IP addresses directed to the same universe, the merging process will depend on the priority field. The stream with the highest priority will be output. In case both streams have identical priority fields, merging will occur.
- If additional streams are directed to the same universe, any additional stream with a higher priority will take precedence. If the priority of the additional stream is identical to the merging streams, it will be ignored.

Frequently Asked Questions (FAQ)

- **How does merge operate in HTP mode?**
  In HTP (highest takes precedence) mode, the levels of each channel in the two streams are compared, and the highest value is used for the output.
- **How does merge operate in LTP mode?**
  In LTP (latest takes precedence) mode, the levels of each channel in the two streams are compared to the output. If there is a change, that level is output.
- **What happens when multiple streams are directed to the same Port-Address?**
  If more than two streams are directed to the same Port-Address, they will be ignored.
- **How does merging work with sACN priority?**
  When two streams from different IP addresses are directed to the same universe, the priority field is checked. The stream with the highest priority will be output. If the priority field in both streams is identical, merging will occur.
- **What happens when additional streams are directed to the same universe?**
  If additional streams are directed to the same universe, any additional stream with a higher priority will take precedence. If the priority is identical to the merging streams, it will be ignored.

Merging

- Gateway 8 can merge two streams of data to a DMX output. Depending on the settings, merge can operate as HTP/LTP or Priority.
- In HTP (highest takes precedence), the levels of each channel in the two streams are compared and the highest value is used.
- In LTP (latest takes precedence), the levels of each channel in the two streams is compared to the output; if

there is a change, that level is output.

- In Priority, the sACN Priority field defines which universe will be output.

Merging with

- Art-Net
- sACN

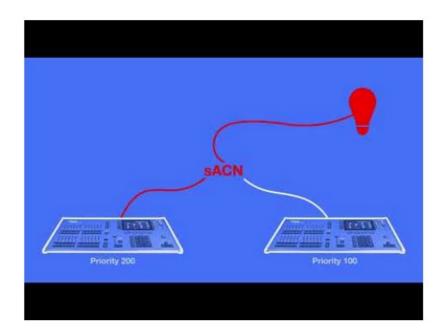|	Source A	Source B	Condition	Output
1	Art-Net	Art-Net	Different IP addresses	Merge of A + B*
2	sACN	sACN	Identical priorities	Merge of A + B*
3	sACN	sACN	Different priorities	Highest priority

*HTP or LTP as per user selection

Art-Net
If two streams from different IP addresses are directed to the same Port-Address, merging will occur. If more streams are directed to the same Port-Address, they will be ignored.

sACN

- Merging can operate with both unicast and multicast data.
- If two streams from different IP addresses are directed to the same universe, the priority field is checked and the stream with the highest priority is output. If the priority field in both streams is identical, merging will occur.

- **https://youtu.be/AlBMe9XvK94**
- If additional stream(s) are directed to the same universe, anyadditional stream with higher priority will take precedence. If thepriority is identical to the merging streams, it will be ignored.

Documents / Resources

	Zero 88 Merging Vari Lite Gateway 8 [pdf] User Guide Merging Vari Lite Gateway 8, Merging, Vari Lite Gateway 8, Lite Gateway 8, Gateway 8

References

- **User Manual**