

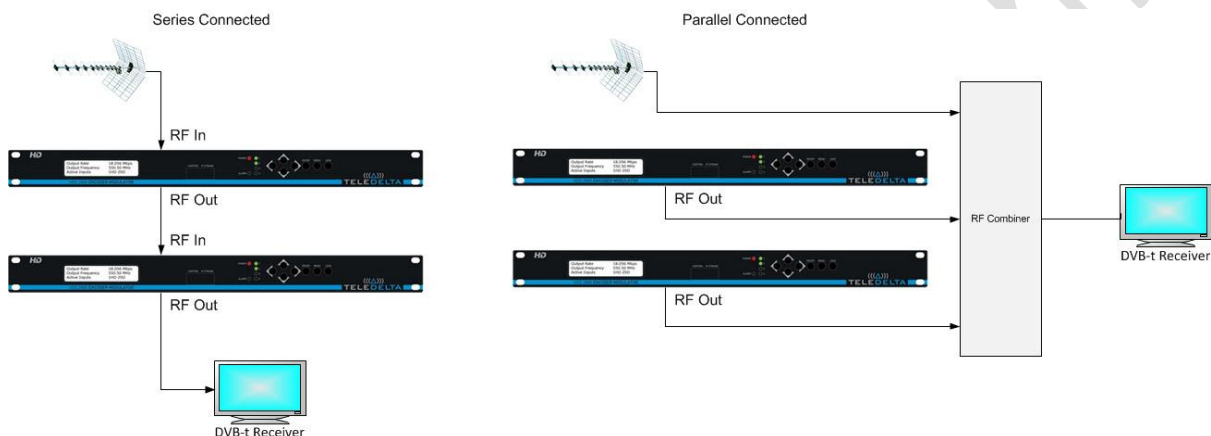
Appendix 2 – Deploying Multiple Units in a Single Installation

A2.0 Setting the DVB-t ID's

Where there are multiple RF signals in the DVB-t environment the LCN, transport stream ID and original network ID should be set so there are no duplications. This is to ensure proper tuning and avoid confusion in the receiver (TV or STB.)

The FTA TV channels have pre-set allocations of the LCN, transport stream ID and original network ID, but all the other modulators need to be assigned unique ID's.

Consider the following two layouts. Here we have the two HDS units which can be connected with all devices connected in series, or all in parallel, with the off air signal.



RF Series Connected or RF Parallel Connected example

Once you have decided on Series or Parallel the LCN's of each unit must be set, (in this example to 51 and 52 respectively.)

Note that the network addresses for the NMS and IP streaming should also be set to different IP address in accordance with normal IP setup. Please refer to section 4.9 Network and 4.4 IP Output Setting for the setting of the IP addresses.

For the transport stream ID and original network ID process refer to the next page.

To ensure correct operation in this example the first HDS should be set with the transport stream ID set to 0x0001 and original network ID set to 0x0001 (default)

Network ID:

Transport Stream ID:

Original Network ID:

NIT Version:

LCN Standard:
 European
 NorDig V1
 NorDig V2

| TS ID | ON ID | Frequency | Bandwidth | Constellation | LCN | Add | Del. All |
|-------|-------|-----------|-----------|---------------|-----|-----|----------|
|-------|-------|-----------|-----------|---------------|-----|-----|----------|

Within the NIT Table on the First HDS unit the below Transport Stream and Original Network ID will show

NIT ENTRY

Transport Stream ID:

Original Network ID:

RF Frequency: MHz

Bandwidth:

Constellation:

Hierarchy Informaion:

Code Rate:

Guard Interval:

Transmission Mode:

| Service ID | LCN | Visible? | Add |
|-------------------------------------|--------------------------------|-------------------------------------|-----|
| <input type="text" value="0x0101"/> | <input type="text" value="1"/> | <input checked="" type="checkbox"/> | Del |

Save Cancel

The second HDS should be set with the transport stream ID set to 0x0002 and original network ID set to 0x0002

Network Name:

Network ID:

Transport Stream ID:

Original Network ID:

NIT Version:

LCN Standard:
 European
 NorDig V1
 NorDig V2

| TS ID | ON ID | Frequency | Bandwidth | Constellation | LCN | Add | Del. All |
|-------|-------|-----------|-----------|---------------|-----|-----|----------|
|-------|-------|-----------|-----------|---------------|-----|-----|----------|

Within the NIT Table on the Second HDS unit the below Transport Stream and Original Network ID will show

NIT ENTRY

Transport Stream ID:

Original Network ID:

RF Frequency: MHz

Bandwidth:

Constellation:

Hierarchy Information:

Code Rate:

Guard Interval:

Transmission Mode:

| Service ID | LCN | Visible? | Add |
|-------------------------------------|--------------------------------|-------------------------------------|-----|
| <input type="text" value="0x0101"/> | <input type="text" value="1"/> | <input checked="" type="checkbox"/> | Del |

Save Cancel