Taktis/Syncro Bridge Network Instructions

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Scope

Syncro/Taktis Bridge is a Taktis firmware feature which enables the Taktis control panel to communicate with Syncro and Syncro AS control panels on the same network. This enables the upgrade or expansion of existing Syncro panel networks in the field with the latest panel technology. The Bridge feature allows communication of events across the network as well as network cause and effect configuration.

Requirements

To configure a Taktis Bridge the following will be required:

- Taktis firmware EN-00.11.R083 or higher.
- PC/Laptop running Win7 or higher.
- LE2 config software 3.290.03 or higher with the Taktis Bridge feature enabled.

Access to the Taktis Bridge is restricted, with the feature being turned off as default in the LE2 config software. To gain access to the Taktis Bridge feature a request must be made to your sales representative and the following criteria must be met:

- Must have an active Taktis account.
- Must have completed all of the Taktis on-line training modules.
- Must have completed hands on Taktis training.
- Config files for existing network must be supplied to Kentec Technical Support Team for review.
- Request for Bridge feature must be approved by the Director of Sales.

If all criteria is met your LE2 license will be updated to enable the Taktis Bridge feature.

Syncro/Taktis Bridge limitations

Creation of a Syncro/Taktis bridge requires modification of the configuration file for the existing Syncro network. As the Syncro and Taktis are different panel technologies the following design limitations exist and must be taken into consideration:

- **Auxiliary Indicators**

  Syncro panels feature auxiliary LEDs which are not supported on the Taktis panel. If the Syncro panel config utilises these LED indicators in the cause and effect they must be removed from said cause and effect before converting to a Taktis config file.

  If Aux LEDs are required a 16 channel I/O card inside the Taktis panel can be configured to drive remote LEDs.

- **Programmable Inputs**

  Syncro/Taktis Bridge networks do not support cross panel programming of the panel programmable inputs, both Syncro and Taktis provide 3 programmable inputs on the main board (Syncro PR1, PR2 and PR3, Taktis Prog IP 1, 2 & 3). If Syncro panels on the network contain cross panel programming for these programmable inputs this will need to be amended.

  Cross panel programming of inputs can be done using I/O card inputs or loop input modules in place of the panels programmable inputs.

- **Max 4 Detection Loops**

  To align with Syncro configurations and functionality, Syncro/Taktis Bridge networks will only support Taktis panels with up to 4 detection loops.

- **Focus Network Repeaters**

  Syncro/Taktis Bridge does not support the older Focus network repeaters.

  If upgrading or expanding a Syncro network which contains focus repeaters the repeaters would need to be upgraded to the latest Vision repeaters.

Replacing a networked Syncro panel with a Taktis panel

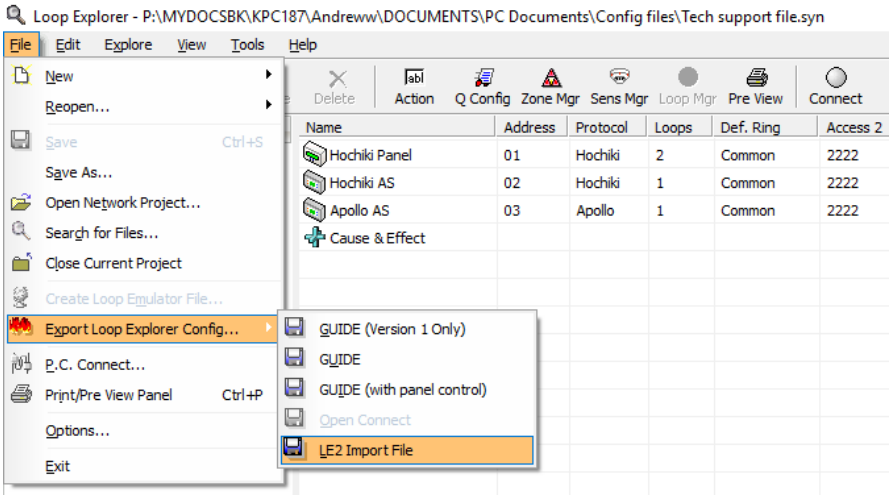
1. Create a Loop Explorer (LE2) config file for the existing network installation. There are two ways to create this file:

Option 1 - Open LE2 on your PC and create an LE2 config for the existing Syncro network. Connect to each panel on the network individually and download the configuration.

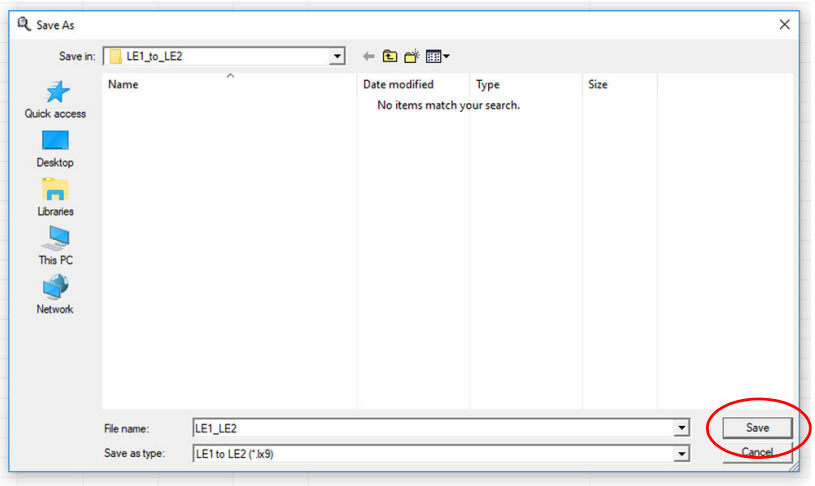
Option 2 - Convert an existing Syncro Loop Explorer 1 (LE1) config file to an LE2 config file.

a. Open LE1 v6.0081. This is available to download through your Virtual Resource account.

b. Open the [existing] LE1 configuration file: Select File – Export Loop Explorer Config… - LE2 Import File:



c. After selecting ‘LE2 Import File’ a ‘Save As’ pop-up screen will appear. Browse to a location on the PC where file is to be stored, name the file and click ‘Save’.

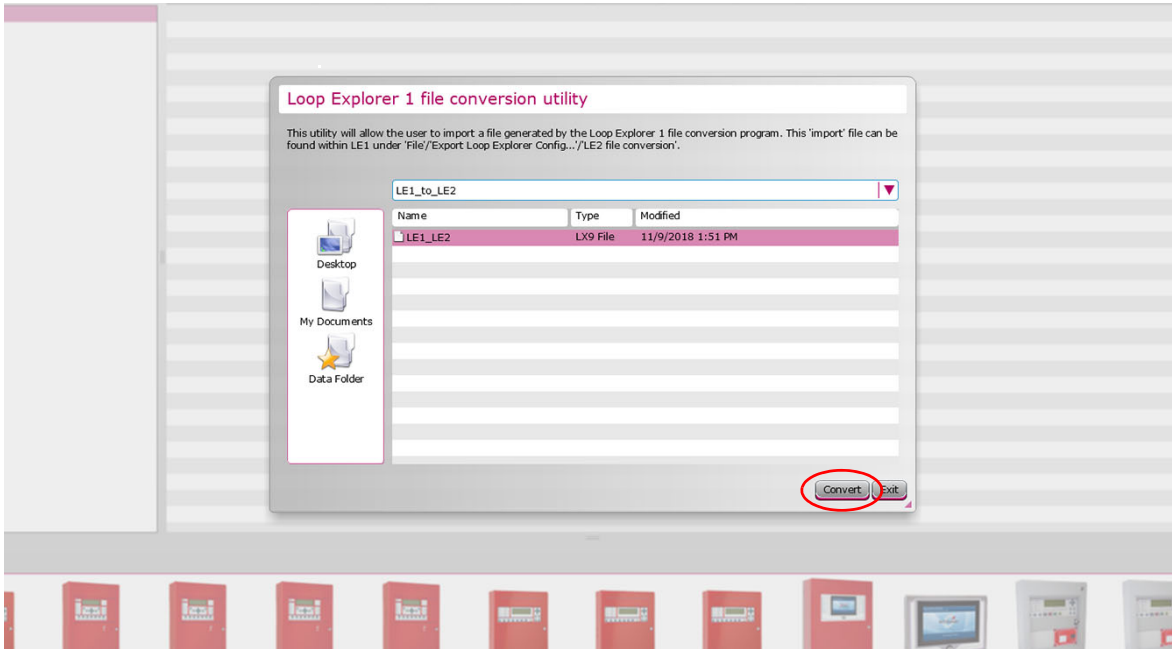


d. Close LE1.

e. Open LE2.

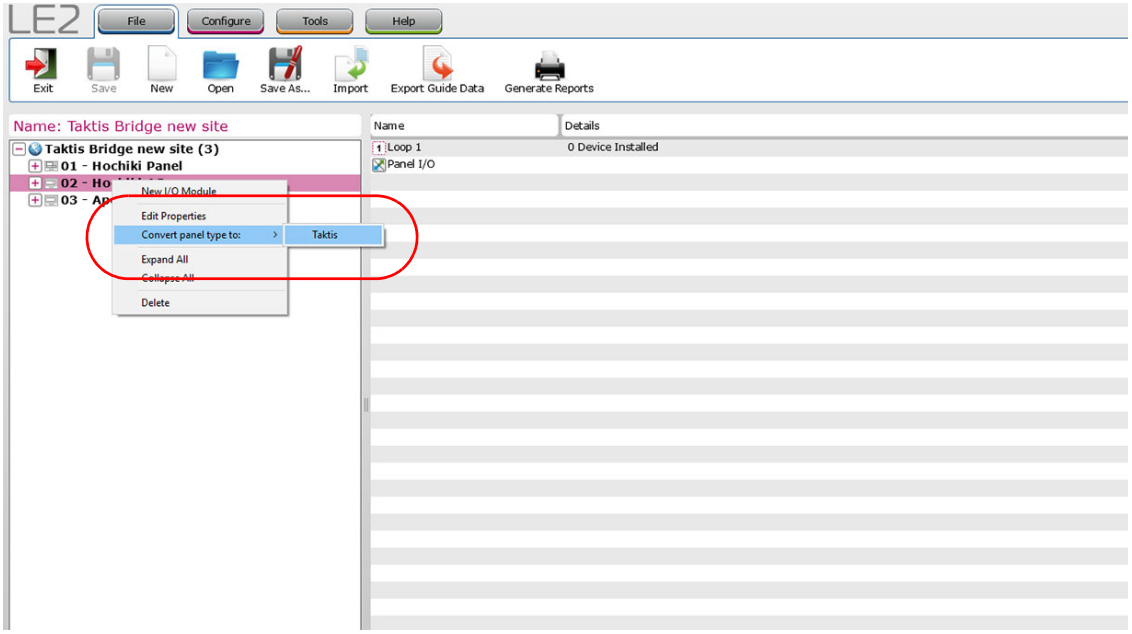
f. Click on ‘Create New File’, name the file and click ‘Save’.

g. Click on File – Import. Select the converted file, from LE1 (It should be a *.Lx9 type file) and click ‘Convert’..



h. A pop-up screen will appear. Name the converted LE2 file and press ‘Save’

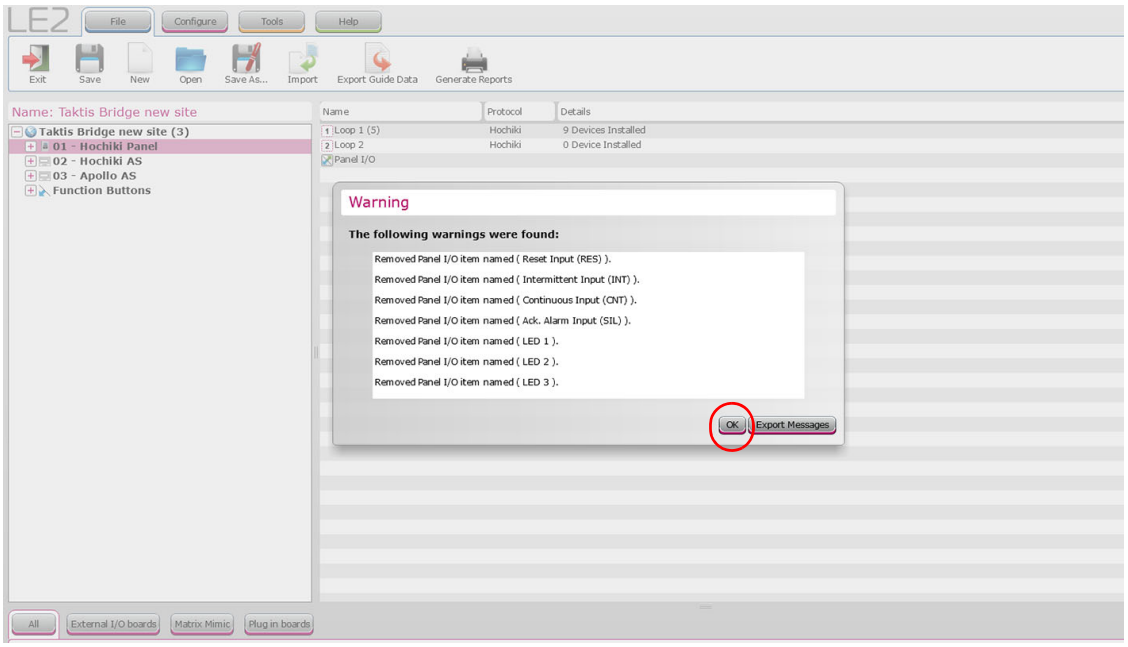
2. Convert the Syncro that is to be replaced with Taktis by right-clicking the Syncro panel and then click on ‘Convert to Taktis’.



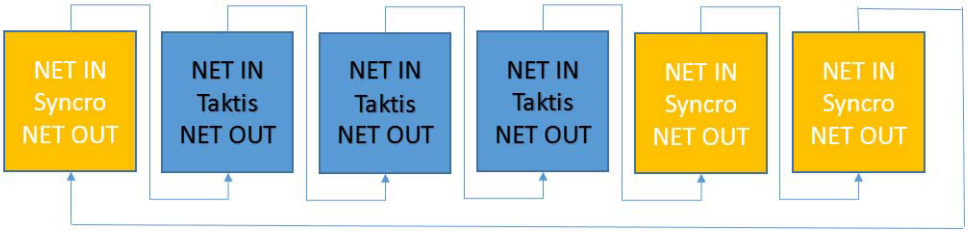
Tip. Where appropriate the panel name shown on the left-hand panel list can be altered by double clicking on the node and entering the relevant text in the name field e.g. ‘Taktis’.

3. After selecting 'Taktis' a warning screen will appear highlighting configuration options not supported by Taktis.

It is recommended to save the configuration file at this stage.



4. Remove the Syncro from the existing network and connect the Taktis panel to the network. Network wiring should be connected in the familiar way e.g. NET IN (+/-) to NET OUT (+/-).



Loop wiring can be transferred at this stage also.

5. Once the Taktis has been powered up and it has finished initialising, the panel node number must be entered.

The Taktis panel node number must be the same as the Syncro panel node number it is replacing. Switch on the Taktis 'write-enable' switch which is located on the lower-left of the Taktis display PCB.

Select access level 3 (default code 333333), select 'Engineers Options'→'Configuration'→'Edit Configuration'→'Panel Settings'. Enter the correct node (Panel) number and press Submit.

6. An Auto-learn must be performed on the panel.

Ensure the write enable switch is on and then select access level 3, ‘Engineers options’ →‘Configuration’→‘Learn Panel’. A pop-up message should appear saying, “Please confirm to learn all items”.

Press the ‘Learn Devices’ button. The progress of the autolearn is shown in the ‘Other Events’ tab.

Important! The Taktis panel default protocol is Hochiki therefore if the existing Syncro system was Apollo no devices will be learnt. This will be corrected once the configuration file is downloaded.

7. Once the Taktis panel has completed the autolearn process import the new LE2 configuration file to all panels on the network. If the Taktis panel uses Apollo devices the configuration file will automatically change the drivers on the loop cards to Apollo.

8. Once the configuration file has been imported, and the loops have finished initialising, switch off the write-enable and reset the panel.

Synchronise the network by entering access level 3, ‘Engineers Options’→‘Network Sync’ →‘Sync’.

9. Verify that the panel replacement has been successful, using the Taktis panel controls, select - Engineers Options’→‘Configuration’ →‘Network Configuration’.

Settings should be displayed as follows:

Bridge mode: Yes

Incoming: 19200 bps

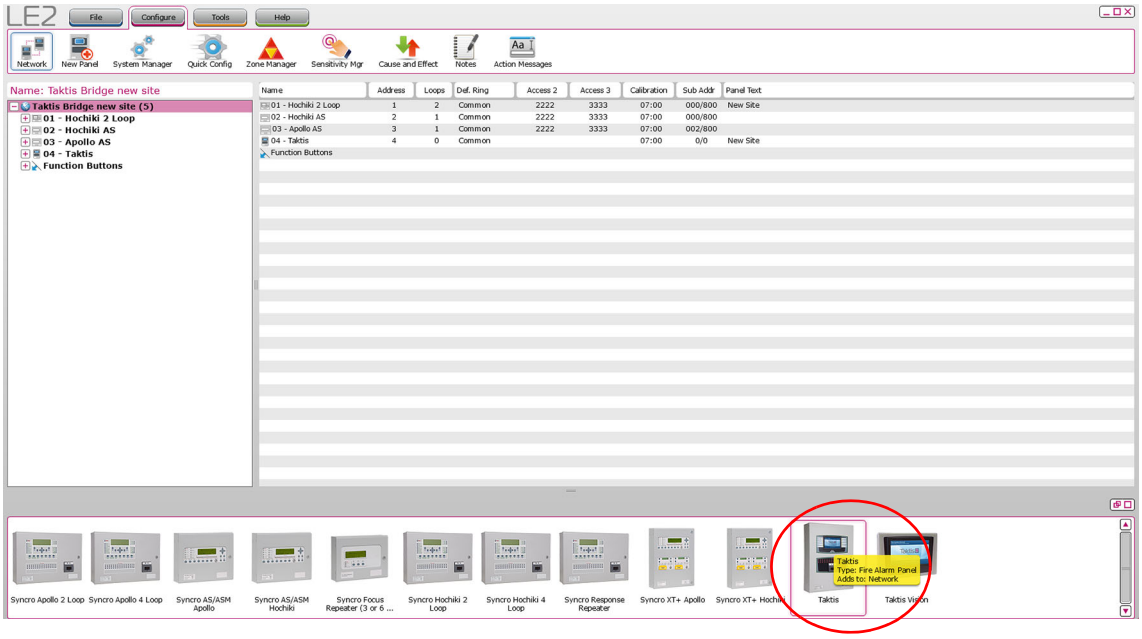
Outgoing: 19200 bps

Adding a Taktis Panel to a Syncro Network

1. Create an LE2 configuration file as described in the previous instruction.

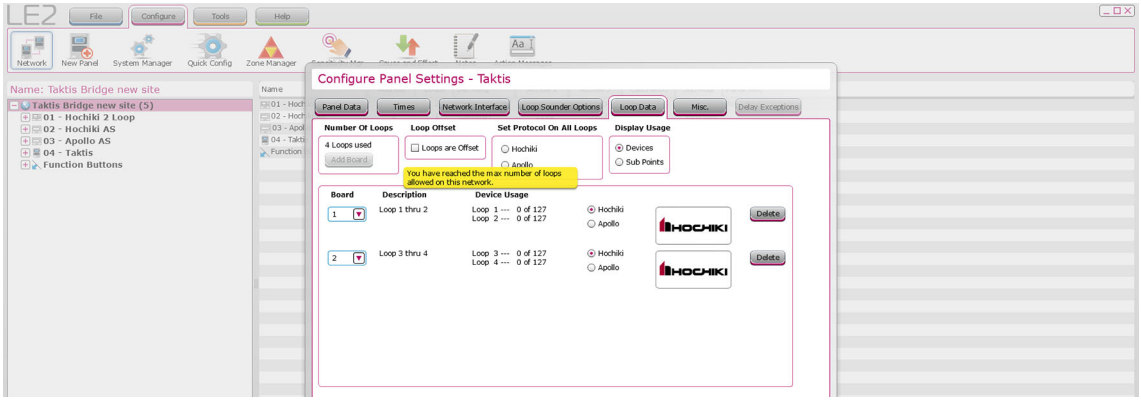
2. Add a new Taktis panel to your LE2 file by double clicking on the Taktis panel from the panel list.

LE2 will automatically allocate it to the next available panel node number.

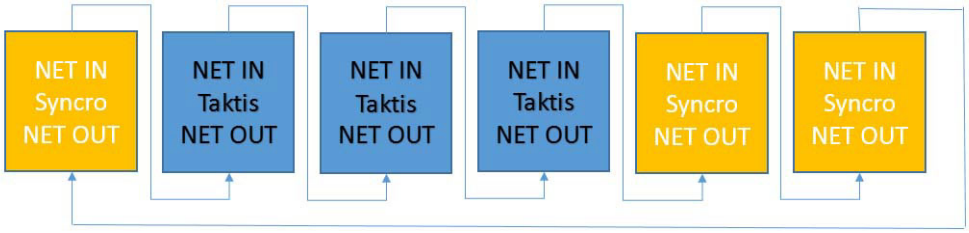


A pop-up screen will appear where the number of Taktis loop cards can be added. Each Taktis loop card has 2 loops available.

Important! Syncro/Taktis bridge networks are limited to Taktis panels with a maximum of 4 loops.'.



3. Remove the Syncro from the existing network and connect the Taktis panel to the network. Network wiring should be connected in the familiar way e.g. NET IN (+/-) to NET OUT (+/-).



Loop wiring can be transferred at this stage also.

4. Once the Taktis has been powered up and it has finished initialising, the panel node number must now be entered.

The Taktis panel node number must be the same as the Syncro panel node number it is replacing. Switch on the Taktis 'write-enable' switch which is located on the lower-left rear of the Taktis display PCB.

Select access level 3 (default code 333333), select 'Engineers Options'→'Configuration'→'Edit Configuration'→'Panel Settings'. Enter the correct node (Panel) number and press Submit.

5. An Auto-learn must be performed on the panel.

Ensure the write enable switch is on and then select access level 3, 'Engineers options' →'Configuration'→'Learn Panel'. A pop-up message should appear saying, "Please confirm to learn all items".

Press the 'Learn Devices' button. The progress of the autolearn is shown in the 'Other Events' tab.

Important! The Taktis panel default protocol is Hochiki therefore if the existing Syncro system was Apollo no devices will be learnt. This will be corrected once the configuration file is downloaded.

6. Once the Taktis panel has completed the autolearn process you now import your new updated LE2 configuration file to the Taktis panel. Unless you are making any changes to the cause and effects you only need to import the new config file to the Taktis panel. If the Taktis panel uses Apollo devices the configuration file will automatically change the drivers on the loop cards to Apollo.

7. Once the configuration file has been imported, and the loops have finished initialising, switch off the write-enable and reset the panel.

Synchronise the network by entering access level 3, 'Engineers Options'→'Network Sync' →'Sync'.

8. Verify that the panel replacement has been successful, using the Taktis panel controls, select - Engineers Options'→'Configuration' →'Network Configuration'.

Settings should be displayed as follows:

Bridge mode: Yes

Incoming: 19200 bps

Outgoing: 19200 bps

Should you require further assistance Technical Support can be contacted by email: techsupport@kentec.co.uk or telephone: +44 (0) 1322 222 121 (Option 1).