

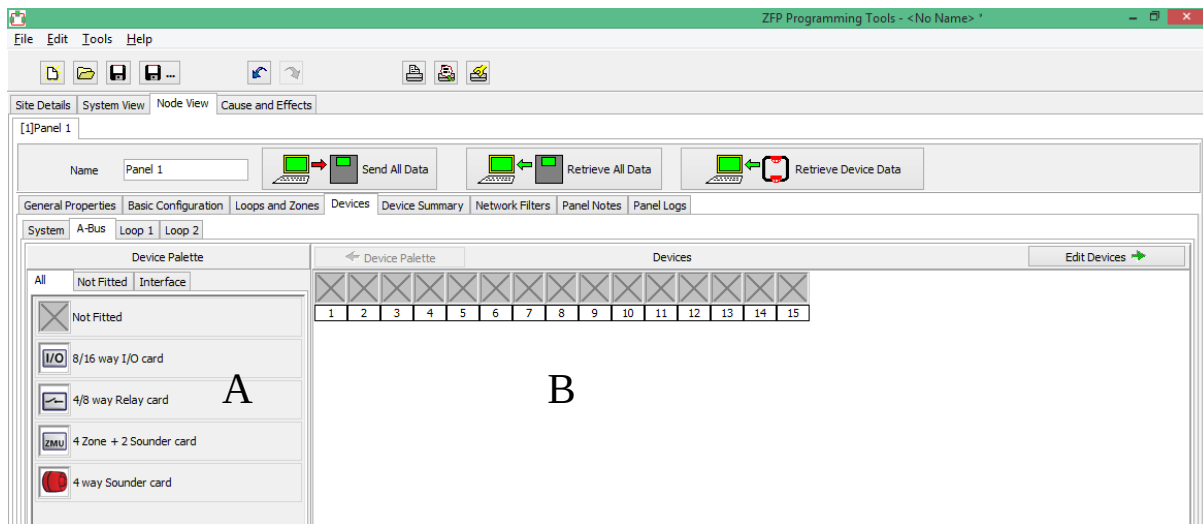
Programming A-Bus Cards using ZFP PC Tools

Before programming A-Bus cards the following assumptions have been made:

- A-Bus cards have been fitted and wired in the ZFP panel (see main manual Doc. No. DFU5000503)
- the engineer is familiar with the ZFP PC Tools
- ZFP PC Tools are loaded (and open) on a PC and the PC is connected to the ZFP panel via the USB cable.

STEP 1: Select Node View > Panel (n) > Devices > A-Bus.

The Device Palette and unpopulated Devices map are displayed.



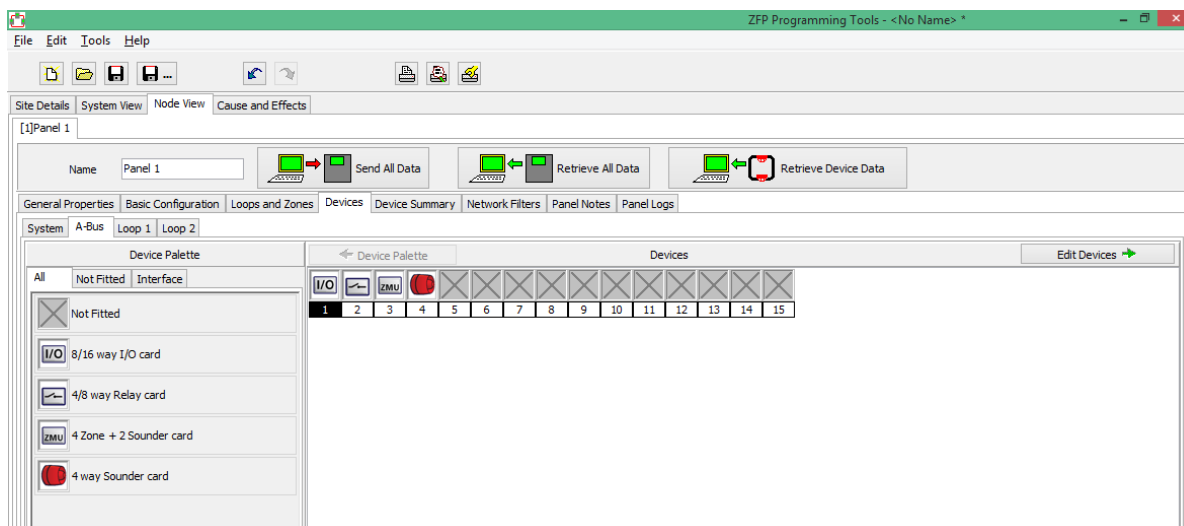
A – Device Palette: Displays a list of available A-Bus cards, detailed below:

- | | | |
|---|---|---|
|  8/16 way I/O card | – | ZFP 8-way Digital I/O Card (half-size). Part No. Z13.
ZFP 16-way Digital I/O Card (full-size). Part No. Z14. |
|  4/8 way Relay card | – | ZFP 4-way Relay Card (half-size). Part No. Z11.
ZFP 8-way Relay Card (full-size). Part No. Z12. |
|  4 Zone + 2 Sounder card | – | ZFP Detection Zone & Conventional Sounder Card (full-size). Part No. Z16. |
|  4 way Sounder card | – | ZFP 4-way Conventional Sounder Card (full-size). Part No. Z15. |

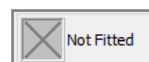
B – Devices map: Displays a virtual map of A-Bus cards currently programmed on the ZFP panel.

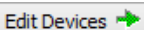
Note: The address of each card (maximum of 15 addresses) should correspond to the address assigned to the A-Bus card using its DIP switch (SW1). See main manual Doc. No. DFU5000503 for DIP switch addressing.

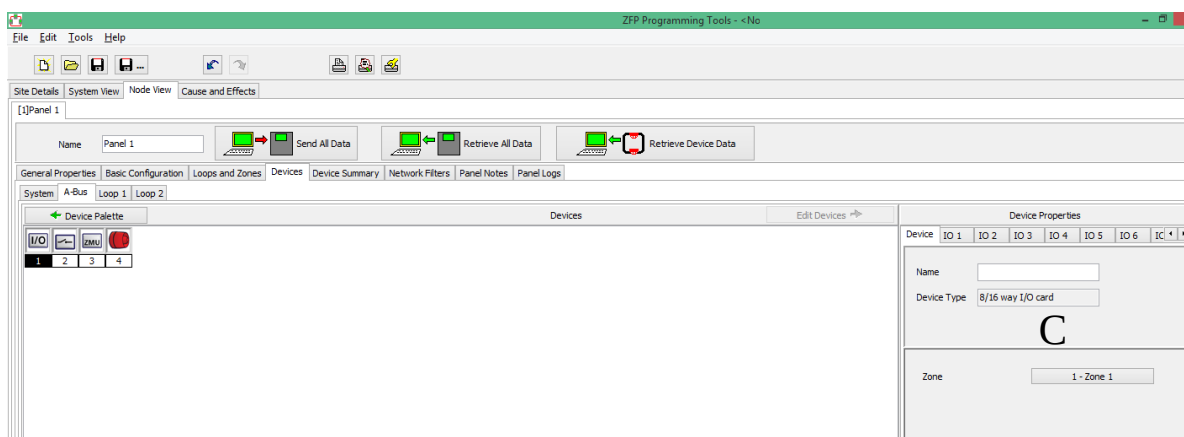
STEP 2: To add an A-Bus card, select the card from the Device Palette and add it to the Devices map. Four different A-Bus cards are shown selected in the Devices map below.



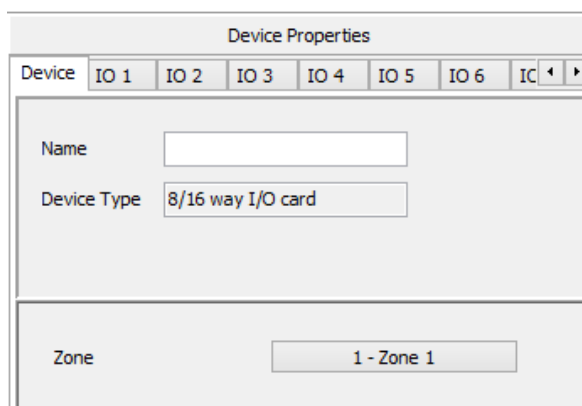
If an A-Bus card has been placed incorrectly on the Devices map, select the “Not Fitted” option from the Device Palette and click the relevant card on the Devices map to remove it.



STEP 3: When all A-Bus cards have been added to the Devices map, edit a card’s properties by clicking the Edit Devices button  this will display the Device Properties pane.



C – Device Properties pane:



Device tab:

Displays the programmable properties of the A-Bus card.

IO/Relay/Sounder/Zone (n) tabs:

Displays the programmable properties of the individual Inputs/Outputs of the A-Bus card. The tab label and number of the tabs displayed depends on the type of card fitted, i.e. 16 tabs for an I/O card, 8 tabs for a Relay card, 4 tabs for a Sounder card and 6 tabs for a Zone & Sounder card.

Note: If a half-sized card is fitted (for the I/O & Relay cards) the full number of tabs will still be displayed although editing the Device Properties (for the non-fitted Inputs/Outputs) will not result in any functionality.

8/16-way Digital I/O Card – Device Properties

Full-size (16-way) or half-size (8-way) of any combination of Inputs and Outputs.

Device tab:

Name – Card name.

Device Type – 8/16 way I/O card is set by default.

Zone – Location assigned to the card (typically the panel location).

IO 1 to IO 16 tabs:

Name – Individual I/O name.

Device Type – 8/16 way I/O card is set by default.

IO Type – Input or Output device (selectable).

Note: If the IO Type is selected as an 'Input':

Zone – Location assigned to each Input (typically a field location).

Group – Input Group assigned to each Input.

Action – Action assigned to each Input.

Note: If the IO Type is selected as an 'Output':

Zone – Location assigned to each Output (typically a field location).

Group – Output Group assigned to each Output.

Polarity – Polarity setting of each Output.

4/8-way Relay Card – Device Properties

Full-size (8-way) or half-size (4-way) of Relay Outputs.

Device tab:

Name – Card name.

Device Type – 4/8 way Relay card is set by default.

IO Type – Output is set by default.

Zone – Location assigned to the card (typically the panel location).

Relay 1 to Relay 8 tabs:

Name – Individual Relay name.

Device Type – 4/8 way Relay card is set by default.

IO Type – Output is set by default.

Zone – Location assigned to each Relay output (typically a field location).

Group – Output Group assigned to each Relay output.

Polarity – Polarity setting of each Relay output.

4-way Sounder Card – Device Properties

Full-size (4-way) of Conventional Sounder Outputs.

Device tab:

Name – Card name.

Device Type – 4 way Sounder card is set by default.

IO Type – Output is set by default.

Zone – Location assigned to the card (typically the panel location).

Sounder 1 to Sounder 4 tabs:

Name – Individual Sounder name.

Device Type – 4 way Sounder card is set by default.

IO Type – Output is set by default.

Zone – Location assigned to each Sounder output (typically a field location).

Group – Output Group assigned to each Sounder output.

Zone & Sounder Card – Device Properties

Full-size of Conventional Sounder Outputs (2-way) and Detection Zones (4-way).

Device tab:

Name – Card name.

Device Type – 4 Zone + 2 Sounder card is set by default.

Zone – Location assigned to the card (typically the panel location).

Zone 1 to Zone 4 tabs:

Name – Individual Zone name.

Device Type – 4 Zone + 2 Sounder card is set by default.

IO Type – Input is set by default.

Zone – Location assigned to each Zone input (typically a field location).

Group – Input Group assigned to each Zone input.

Action – Action assigned to each Zone input.

Sounder 1 to Sounder 2 tabs:

Name – Individual Sounder name.

Device Type – 4 Zone + 2 Sounder card is set by default.

IO Type – Output is set by default.

Zone – Location assigned to each Sounder output (typically a field location).

Group – Output Group assigned to each Sounder output.