

Vysion Setup

Vysion Setup is used to remotely configure the Vysion display processor. For most displays (which do not usually have a touch screen), this is the primary setup, although simple page setting can be performed via the [remote command syntax](#) (e.g. the [Lynx](#)).

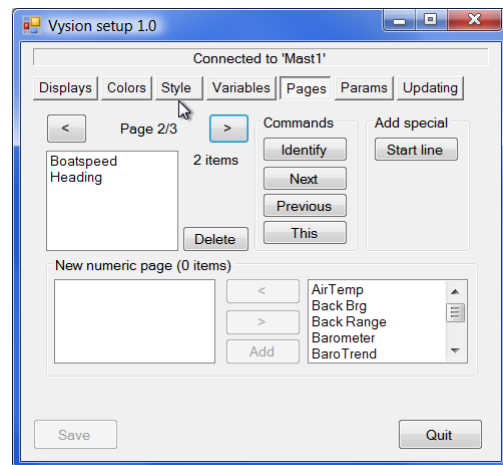
Vysion display processors communicate via Ethernet. Instrument data arrives via the [UDP broadcast](#), while setup occurs via a TCP/IP connection. Vysion Setup uses a TCP/IP connection to a selected Vysion to set parameters and receive status information.

Page setup

Vysion display pages are maintained in the [Pages tab](#) of Setup. Here you can review the current pages and add and delete pages as desired.

To add a numeric page, select the items lower right and add them to the left pane. When complete, press the [Add](#) key.

For helm displays (with touch screen; see the [Params tab](#)), you can add pages that require a touch interface such as starting line.

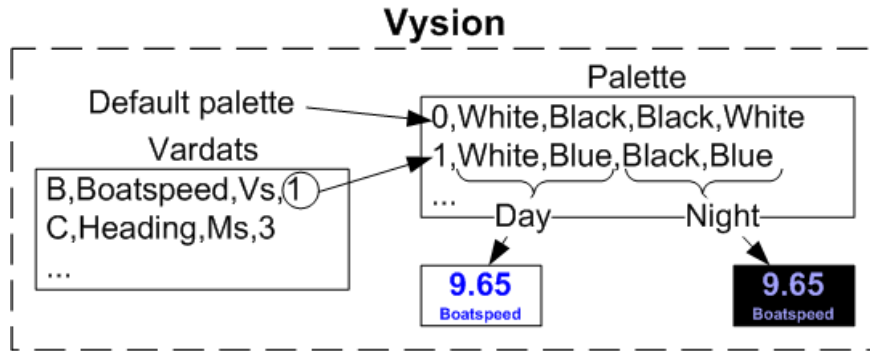


Colors

Vysion uses a 16 member palette to render data. Each entry has a day and night setting, each of which consists of a foreground and background color. For all pages except numeric displays, the first palette entry (default or 0) determines the color scheme.

Numeric pages

Vysion numeric pages contain one or more instrument readings. The color used to render the item is determined by two files resident in the Vysion processor.



- The Vardats table relates the tag (the item identifier on the instrument stream, e.g. 'B') with its description (i.e. 'Boatspeed') and its palette entry.
- The palette table, which defines the day and night colors.

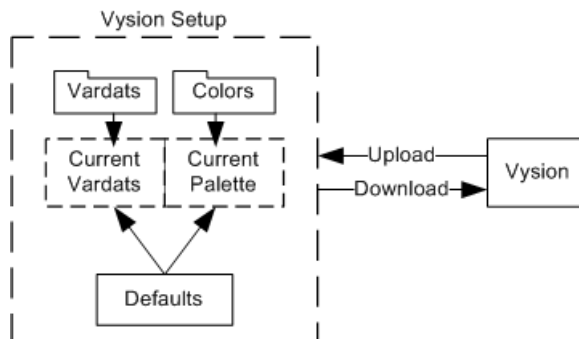
Changing colors

To change the color of a numeric item:

- You can change its palette entry. This changes the item from one group to another, making it the same color as the items in the new group.
- You can change the colors of the palette entry for that item. Changing the palette changes the color for all items keyed to that entry.

When you edit the Vardats or Palette, you are actually editing a local copy of the tables maintained within Setup. These tables are initially loaded from internal store (the initial default), from local disk files ('vardats.txt' and 'palette.txt') or by uploading a Vysion's vardat and/or palette files into Setup.

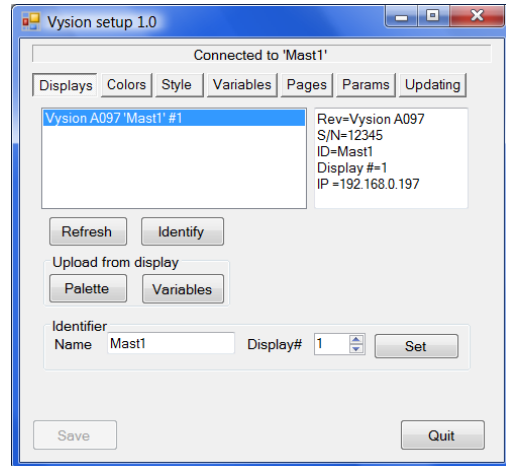
To actually change the colors in a Vysion display, you must download the modified Setup vardats and/or palette to the Vysion.



Example Color changing procedure

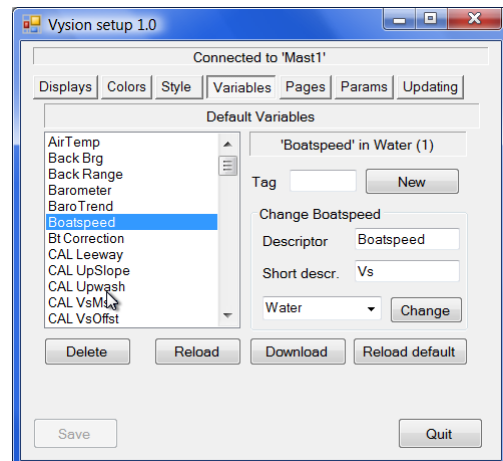
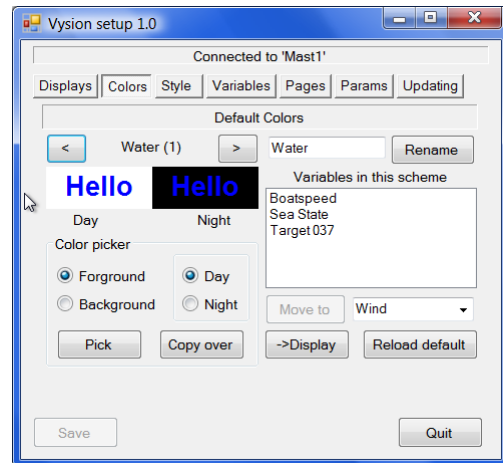
Connection & Upload

1. Start Vysion setup. The Vysion display should show on the left pane. Pick the Vysion display. The parameters should show in the right pane.
2. At this point, you can change the display's identifier. Change the name and/or display number and press Set.
3. Upload the Palette and Variables from the Vysion. The Vysion's color data is now set as Setup's current data.

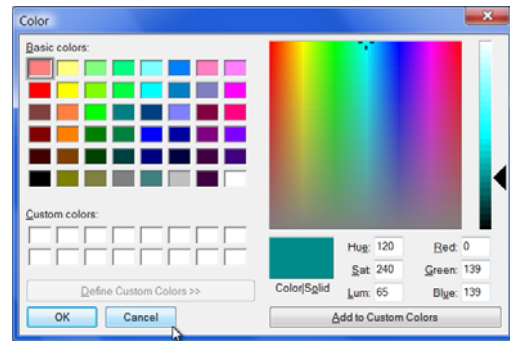


Organize variables into groups

4. Pick the Colors tab. Here you can see which variables are in each color group. Browse the groups to familiarize yourself with which variables are in which group.
5. If you want to move an item, select it, change the drop list below and press Move to.
6. Use the Rename textbox and button to change the name of a group as desired.
7. You can also use the Variables tab to change a variable's group.
8. You can also add and change variable names in this tab.



9. Once you have the variables organized the way you like, return to the Colors tab and Pick to change the group colors as needed.
10. The Copy over button copies the current color to the opposite (day or night) color.
11. Press -> Display to download the palette to the Vysion.
12. Return to the Variables tab and press Download to copy the variables to the Vysion.

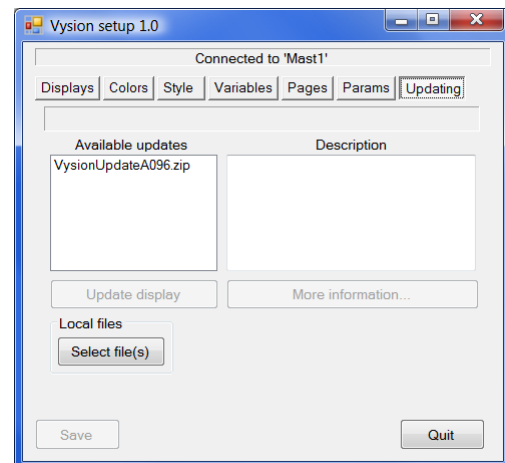


Updating Vysion software

Software updates are available whenever you have a connection to the Internet.

The current software revision of the Vysion is shown in the Displays tab. (e.g. 'Vysion A095'). The Updating tab shows currently available updates. Selecting an update gives a short description, and if a web page is available, further information will be available there.

To change the software in a Vysion, press Update display. Updating software carries some risk of failing, so you shouldn't do this unless you can afford the time it would take to swap out the Vysion processor in case of a failure.



You can also download local files to the Vysion with the Select file(s) button. If you have vardat or palette files set the way you want, you can skip the Colors and Variables tabs routine and download them directly from here.