

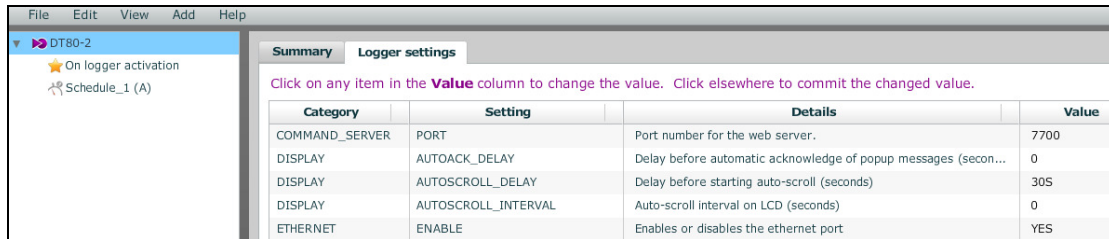


Securing the dataTaker DT80 Series Web Services

1 Profile Changes

If your program has been written in dataTaker command language then the command window should be used to change the profile settings (either in DeTransfer or via dEX's command window)

If your logger was configured using dEX, then the profile settings should be changed in the configuration builder (click on the model number at the top of the tree, then Logger Settings).



1.1 Change the FTP Password

The FTP server is one of the two key methods for changing settings on your logger. The most important change when locking down the dataTaker web services is to change the default FTP username and password. The FTP anonymous account should also be disabled.

The profile commands are as follows:

```

PROFILE FTP_SERVER ALLOW_ANONYMOUS=NO
PROFILE FTP_SERVER USER=DATATAKER
PROFILE FTP_SERVER PASSWORD=NEWPASSWORD

```

1.2 Change the Signoff Period

The signoff period applies to the command window password in the next section. Essentially, the value of parameter P14 is the number of seconds of inactivity before the password is required to be entered. The default is 600, but this should be reduced to a more realistic value such as 120 (2 minutes).

The command is as follows:

```
P14=120
```

2 Add a Password to Your Program

Adding a password prevents your logger from accepting unauthorised commands. The password should be set in the program so that it is re-instated if the power to the logger is cycled. Once a password is set and the user is signed off (automatically as described above or manually using the signoff command), the logger will not appear to respond. To access a logger with a password, you must type in the password into the command window and press enter. If you are using dEX, you must use the command window from within the 'monitor the logger' interface.

The command is as follows:

```
PASSWORD="MYPASSWORD"
```



3 Limit access to the ‘Monitor the Logger’ Interface

The *monitor the logger* interface is configured from the *Customise dEX* menu on logger home page.

3.1 Hide certain diagnostic features to keep the FTP password safe

Enter the settings as shown on the right for each of the menus. These will remove some parts of the web interface where a user might be able to view profile settings and see the FTP password.

The local documents link will not work because we have removed the FTP anonymous user so it is also removed.

Save the changes by clicking **Save Settings**

Status menu items

- Include 'Welcome' menu
- Include 'Schedule' menu
- Include 'Storage' menu
- Include 'Diagnostics' menu
- Include 'Program' menu
- Include 'Parameters' menu
- Include 'Profile' menu
- Include 'Switches' menu

Retrieve menu items

- Include 'Basic retrieve' menu
- Include 'Advanced retrieve' menu

Command menu item

- Include 'Command' menu

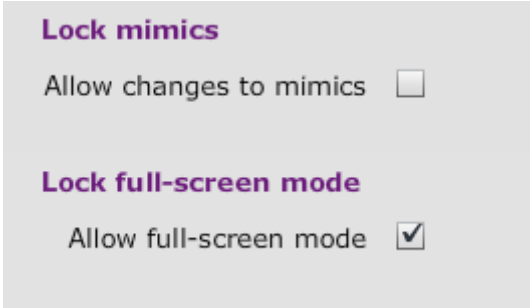
Help menu items

- Include 'This interface' menu
- Include 'Video tutorials' menu
- Include 'Local documents' menu
- Include 'Datataker web-site' menu
- Include 'Technical support' menu



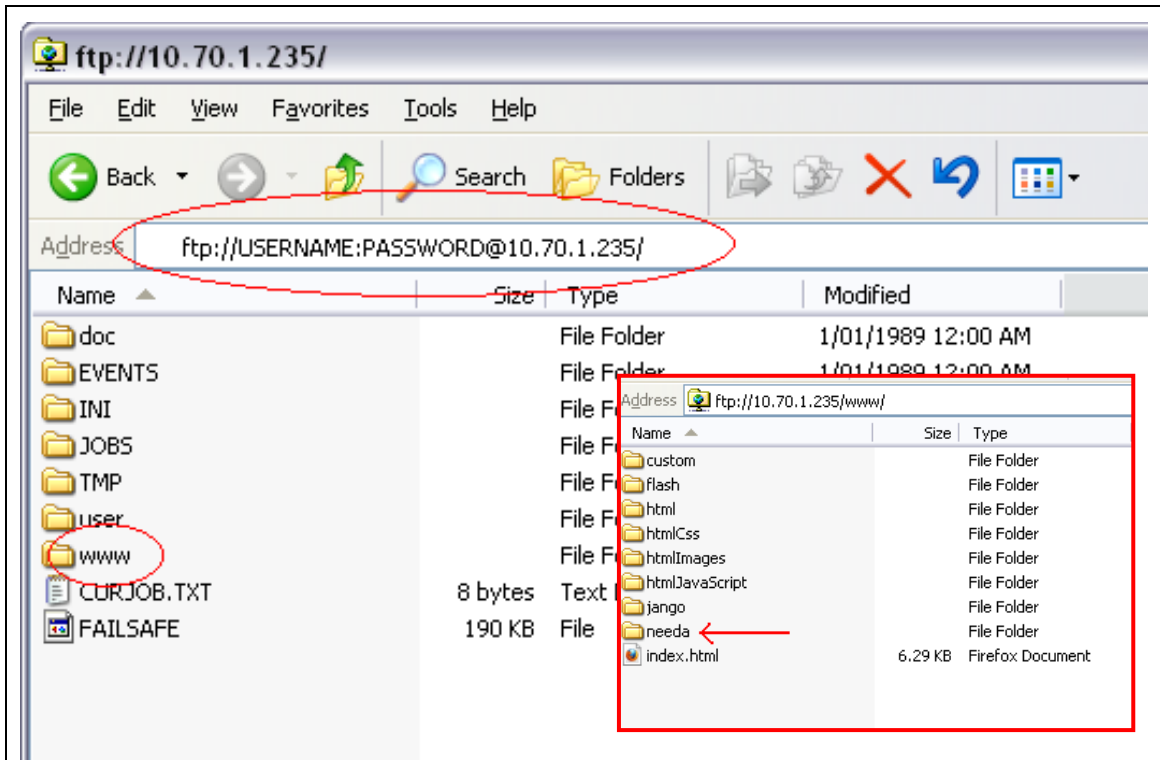
3.2 Prevent editing of mimics

After you have added all of the mimics you wish to use in the web interface, you will want to prevent users from changing them. To do this, you will need to re-enter the **Customise dEX** menu and untick the box next to **Allow changes to mimics** in the **Security** page.



4 Hiding the 'Customise dEX' Menu Item

Now that all of the settings have been saved, you will want to hide the **Customise dEX** menu. To do this, open Windows Explorer and log into your dataTakers FTP server. Use the IP address of your logger, user name and password you created in the profile earlier.



Once logged in, open the **WWW** folder and rename the folder 'needa' to anything else (eg. needa1234). Next time the logger home screen is shown the **Customize dEX** menu will not be shown and will not be accessible.

5 Hiding the 'Configure the Logger' Menu Item

In order to hide the "Configure the Logger" link from the front page you must replace two files in the DT80. These files are:



- /www/HTMLCss/Index.css
- /www/HTMLJavaScript/Index.js

The replacement files are contained in a zip file which is obtainable from the link below:

<ftp://ftp.datataker.com/UpdatedWebFiles/UpdatedFiles.zip>

- Log into the dataTaker's FTP server using windows explorer as shown in section 5 below.
- Place the "Index.css" file into the /www/HTMLCss/ folder
- Place the "Index.js" file into the /www/HTMLJavaScript/ folder

Now you can follow the same process as in the previous section, but in this case rename the folder 'jango' to something else. This will remove the **Configure the Logger** link on the dEX home page. Remember that it is still possible to use the configuration utility but only if one were to enter the exact URL into their web browser, so choose the new name carefully and think of it as a second password.