Instructions for copying HART DD files to 375/475 using Field Communicator Easy Upgrade Utility

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Note 1: To copy and use the latest DDs on 375 / 475, you need 375 Easy Upgrade Utility version 3.6 and 375/475 Handheld System Software version 3.7 or above. If you have Easy Upgrade Utility 3.5, the procedure below will guide you through upgrading the Easy Upgrade Utility and the 375/475 System Software.

How to identify the DD files (HART 7)?
- Manufacturer: Honeywell = 0x0017
- Device Type: ST 800 = 0x1720
- Device Revision 1 = 0x01
- DD Revision 10 = 0x0A
The files are: 00171720010A.hhd and 00171720010A.hdd

How to identify the DD files (HART 5/6)?
- Manufacturer: Honeywell = 0x0017
- Device Type: ST 3000 = 0x01
- Device Revision 5 = 0x05
- DD Revision 1 = 0x03
The files are: 0017010503.hhd and 0017010503.hdd

Note 2: The procedure in this document references an example DD file name for Honeywell ST 3000 Device Revision 5, DD Revision 3 (0503).

File copying procedure

1. Copy the files (.hhd and .hdd extensions) to a folder on your PC hard drive, Eg. C:\ST3K.
2. Launch the Easy Upgrade Program by selecting Start / Programs / Field Communicator Easy Upgrade Programming Utility / Field Communicator Easy Upgrade Utility.
3. Connect the IR Wireless Adapter USB port to the PC.
4. Direct the IR port of the IR Wireless Adapter to the IR port on the 375/475.
5. Power on the 375/475 device.
6. On the 375/475 Field Communicator Main Menu, select “Listen for PC”.
7. On the **Field Communicator Easy Upgrade Utility**, select Connection type: **IrDA** and select **Connect** as shown in Figure 1.

**Figure 1 Connect Field Communicator**

**Figure 2 Awaiting connection to Field Communicator**
8. Wait until you see “Connected” next to Connection Type, shown in Figure 3.

![Figure 3 Field Communicator connected](image)

9. Select **Update PC**, shown in Figure 3.

**Note 3:** Make sure your PC is connected to the Internet before executing Step 9.
10. Highlight your **Current Location** then select **OK**, as shown in Figure 4.

![Select Current Location](image)

**Figure 4 Select Current Location**

11. You may need to enter a login and password (make sure you have these credentials ready).

![Upgrade confirmation](image)

**Figure 5 Upgrade confirmation**

12. Select **Yes**, shown in Figure 5.
13. Install the Update by going through the Installation screens.

**Note:**

On "Remove PC Database?" dialog select "Yes" to get the most recent DD files linked with the most recent Linker.
14. After the Installation is complete, you will need to restart the East Upgrade Utility program by selecting Start / Programs /Field Communicator Easy Upgrade Programming Utility / Field Communicator Easy Upgrade Utility.

15. Select Utilities > Import DDs from a local source, shown in Error! Reference source not found. Browse to the folder containing the DD files (.hhd and .hdd extensions, ex: C:\ST6K) that you require to copy to 375/475 device.

Figure 6 Utilities screen
16. Click on “Honeywell ST30000 Rev 5 DD 3(en)” and select OK. See Figure 7.

![Select path to DD files](image1)

**Figure 7 Select path to DD files**

17. Browse to the folder containing the DD files (.hhd and .hdd extensions, ex: C:\ST6K) that you require to copy to 375/475. Click on “Honeywell ST30000 Rev 5 DD 3(en)” and select OK.

After the successful copy you will get the message shown in Figure 8.

![Field Communicator Easy Upgrade Utility](image2)

**Figure 8 Upgrade Successful**
18. **Optional Step:** Check to make sure that you have copied the files to the right location on your PC. Go to the path below in Figure 9. You will see the 2 files that have been copied to the right location.

![Figure 9 Check copied file location](image)

**Note2:** This step has copied files to the PC Database on your PC. Follow the steps below to copy the files to the 375/475.
19. If the message shown in Figure 10 is being displayed this is indicating that the current system software requires a critical upgrade, this upgrade must be completed before proceeding with the download of the new dd files. To complete this upgrade use the following steps – otherwise continue on to step 20.

![Figure 10 Upgrade required](image1)

- Click on the “Disconnect” button to disconnect the IrDA connection. Shown in Figure 11.

![Figure 11 Disconnect the IrDA](image2)
- On the 375/475 Communicator, select the “Exit” button on the display and turn off the Communicator. Remove the System Card.

- Connect a Card Reader to the USB port of the PC. Insert the 375/475 System Card.

- On the Easy Upgrade Utility, select Connection Type “card reader” and select Connect. Enter the appropriate drive letter to locate the card reader. Select “Yes” when prompted to proceed with the update. Wait until the update is complete. Remove the System card and replace it in the 375/475.

- Turn the 375/475 on. The Communicator will proceed to update itself. Click on the necessary responses to initiate the update. Wait until the update is complete.

- Reconnect the IR Wireless Adapter to the IR port in the PC. Direct the IR port of the IR Wireless Adapter to the IR port on the 375/475.

- On the 375/475 Field Communicator Main Menu, select “Listen for PC”.

- On the Field Communicator Easy Upgrade Utility, select Connection type: IrDA. Select Connect. Wait until you see “Connected” next to the Connection type.

20. Select Upgrade on the top left side of the Utilities screen, shown in Figure 12.

![Figure 12 Utilities Upgrade option]
21. Select **More Options** shown in Figure 13.

![Figure 13 More Options](image13.png)

22. Select **DDs Tab** under **“PC Database”**, shown in Figure 14.

![Figure 14 PC Database, DD tab](image14.png)
23. Select **HART** and then **Honeywell**. You will see the Yellow icons next to the Honeywell ST 3000 Rev55 DD 3(en), select the check box next to this DD, shown in Figure 14.

24. Select the button with 3 right facing arrows, shown in Figure 14. You will get the message in Figure 15 upon successful completion of the copy.

![Figure 15 Download complete](image1)

25. Select **Disconnect** on the Connection Type, exit the Easy Upgrade program. Shown in Figure 16.

![Figure 16 Exit Upgrade program](image2)


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