

Installation of epBlue as an additional client

Renate Fröndt, Eppendorf AG, Hamburg, Germany

Abstract

epBlue software offers a new possibility for customers to control epMotion® via PC. With the PC-Version, additional applications are now available which were not possible with the epMotion control panel. The PC-Version of epMotion also serves as an additional transfer medium for applications besides epMotion Editor and Multi Media Card.

The integration of epMotion into a PC network or a customer's individual computer will now be possible with this tool. As there are more than one option to integrate the epMotion into a PC network, this Userguide describes how epBlue can be integrated into the customer's computer system as an additional client.

Introduction

The epMotion operating software epBlue is pre-installed on an industrial PC. As an option, a second client can be installed via Ethernet crossover cable on a customer PC or separate laptop. With the second client, it is possible to program and to control the epMotion from a second working place, including the possibility to edit new methods and to transfer methods to the epMotion.

Materials and Methods

epBlue – epMotion PC software integrated Microsoft.NET 2.0 Framework (CD-ROM)

Ethernet crossover cable

The selected operation system should be Microsoft Windows XP.

The minimum hardware requirements are:

- Pentium III 1.0 GHz or higher
- 512 MB RAM
- 1 GByte available hard disk space
- 17" monitor with a resolution of 1280x1024 or better (desirable)

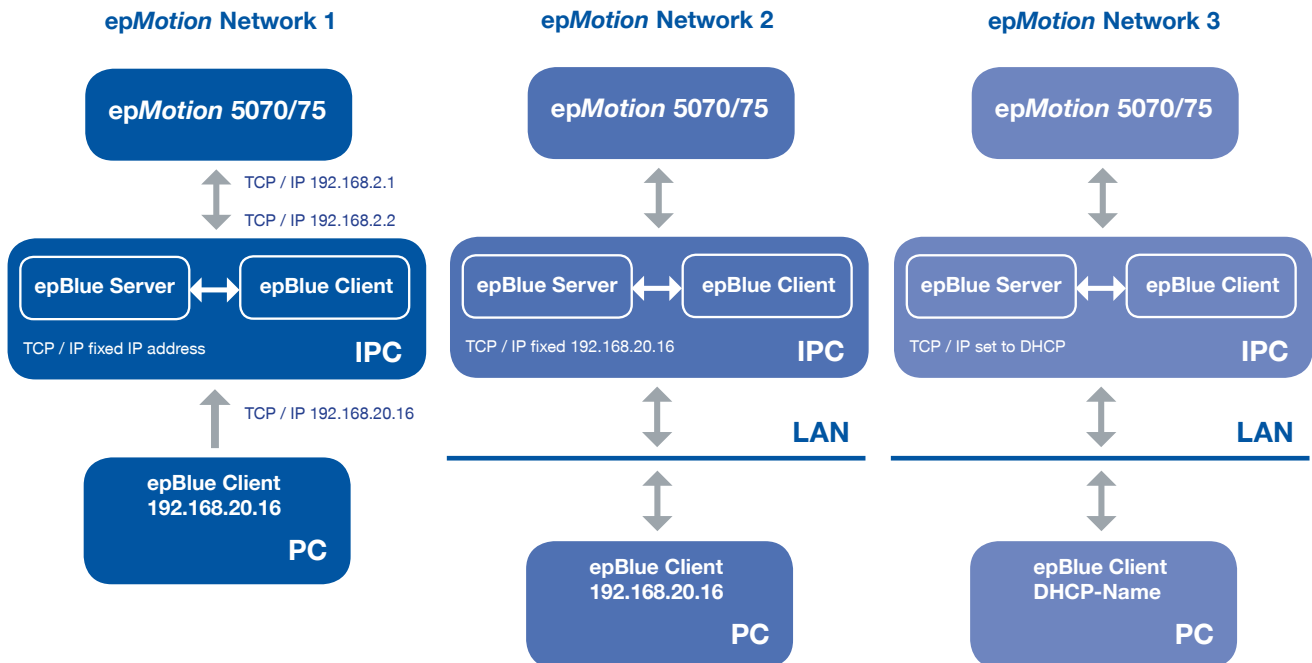


Figure1: Different possible integrations of epBlue into PC and networks

Working process

Proceed as follows to install epBlue as an additional client on a separate PC.

The separate PC or laptop on which epBlue is to be installed as a client (without a server) must be connected to the integrated server in the industry PC connected to epMotion, via an Ethernet crossover cable. Before starting the installation, ensure that all other Windows programs have been closed.

Insert the installation CD-ROM in the CD drive. Open the Software directory.

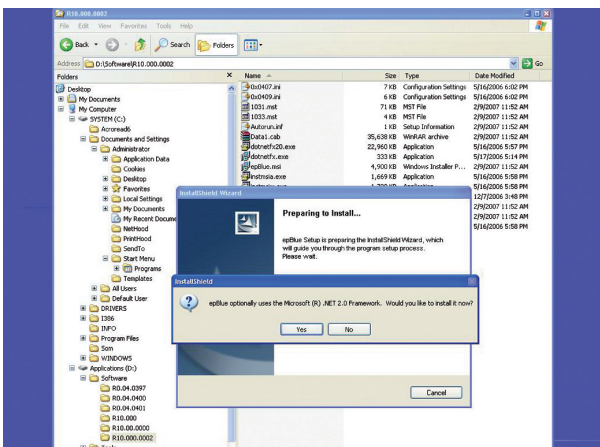


Figure 2: Start of installation of epBlue

Double-click on the Setup.exe application.

When Microsoft.NET 2.0 Framework is not installed on the PC, an InstallShield with the following information appears: epBlue optimally uses the Microsoft®. NET 2.0 Framework. Would you like to install it now? It is necessary to install this program before starting with the setup.

Follow the instructions of the Installation Wizard until the Setup Type window appears.

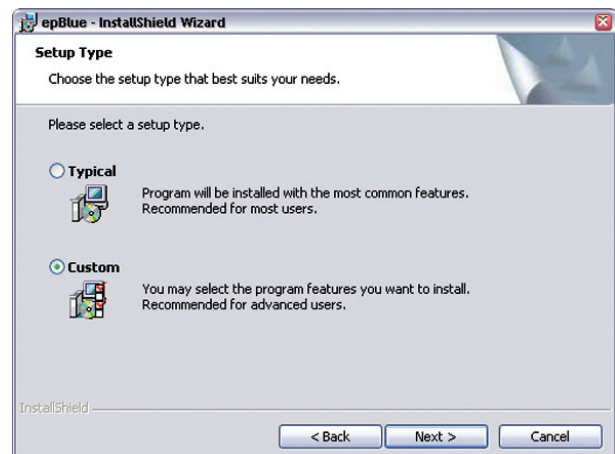


Figure 3: Setup Type

Select the Custom setting and continue with the installation until Custom Setup window appears.

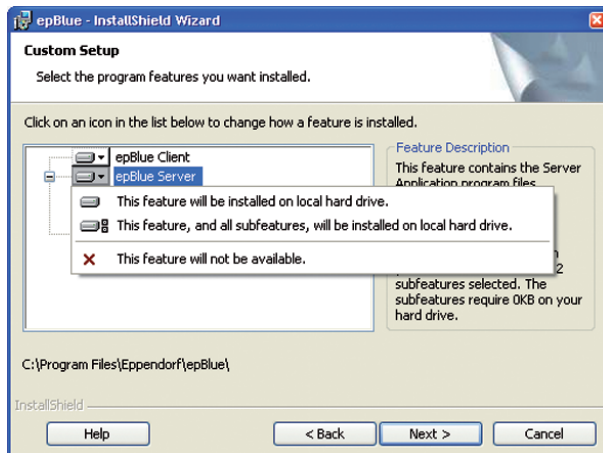


Figure 4: epBlue Server

Click the arrow besides the epBlue Server. In the pulldown menu, select This feature will not be available. The epBlue server functionality will be disabled.

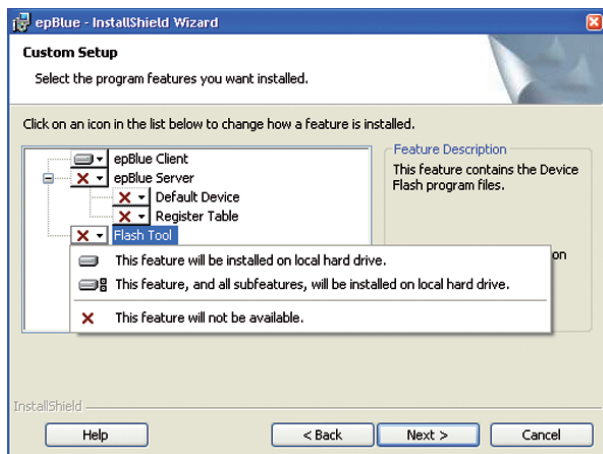


Figure 5: epBlue Flash Tool

Click the arrow besides the Flash Tool. In the pulldown menu, select This feature will not be available. The Flash Tool will be disabled. Continue and complete the installation.

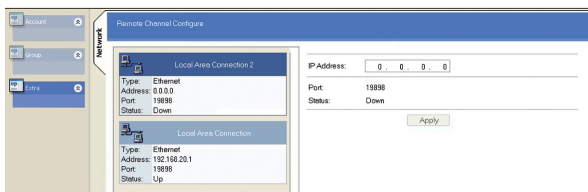


Figure 6: epMotion PC Extra-Network

Setting up a new client.

Assign an IP address to the second network card on the server integrated in the industry PC (epMotion) so that the new client can be accessed.

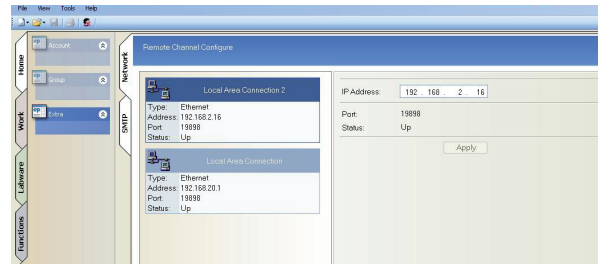


Figure 7: IP Address of 2nd Client

In the Admin area on the Extra tab, select the Network tab. Mark the Local Area Connection 2 field on the left. Enter an IP address on the right. The IP address must have the following format: 192.168.XXX.YYY. Do not use "20" or "020" for "XXX".

The new IP address must not be the same as the IP address of the Local Area Connection or any other IP addresses that have already been assigned. By default, the server has IP address 192.168.20.1, and the epMotion has 192.168.20.2. Press Apply to accept the IP address.



Figure 8: Start of the new client

Starting a new client

When starting the client, enter or select the IP address assigned to the second network card under Server in the Log-in window. When you start the client for the first time, proceed as follows:

Click the ... button besides the server window.

The Server Address window opens.

In the Server Address window, enter the IP address you selected above and confirm with OK. The newly installed client will now access the data of the server on the other computer.

Conclusion

With the second client it is possible to work in parallel on a second PC. For example, the first and the second user can program applications while an application of a third user is running on the epMotion at the same time.

In addition, it is possible to control the run of an application from a second working place.

References

Operation Manual epMotion 5070 with integrated PC and epBlue

Operation Manual epMotion 5075 with integrated PC and epBlue

Installation guide epBlue

Operation manuals and installation guide are provided in the product packages.

Eppendorf Ordering information

Description	Order no. International	Order no. North America
epMotion 5070 with integrated PC	5070 000.140	960000111
epMotion 5075 LH with integrated PC	5075 000.750	960020111
epMotion 5075 VAC with integrated PC	5075 000.768	960020222
epMotion 5075 MC with integrated PC	5075 000.776	960020333



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Eppendorf AG · 22331 Hamburg · Germany · Tel. +49 40 538 01-0 · Fax +49 40 538 01-556 · E-Mail: eppendorf@eppendorf.com

Eppendorf North America, Inc. · One Cantiague Road, P.O. Box 1019 · Westbury, N.Y. 11590-0207 USA

Tel. +1 516 334 7500 · Free phone 800 645 3050 · Fax +1 516 334 7506 · E-Mail: info@eppendorf.com

Application Support

Europe, International: Tel. +49 1803 666 789 · E-Mail: support@eppendorf.com

North America: Tel. 800 645 3050 ext. 2258 · E-Mail: support_NA@eppendorf.com

Asia, Pacific: Tel. +603 8023 2769 · E-Mail: support_AsiaPacific@eppendorf.com