



Document	PLServer to RFeasyServ application conversion	
Author	Dave Pennell	Issue 1
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This document has been written to highlight the key changes required to convert a VB6 server application using PLServer to RFeasyServ. The document will enable developers to quickly understand the process for converting applications using PLServer to RFeasyServ application running on a WiFi radio network. It's also possible to convert applications written in other development environments to the RFeasyServ Platform.

### **Network/Server Changes**

The RFeasyServ control uses a standard 802.11b/g Wifi network rather than the proprietary PiccoLink narrow band system of PLServer. The following changes are required to the network.

- 1) Configure the 802.11b/g access point to run on the same network as the server. It's important to consider the level of RF Security you require on the wireless network before you configure and install the access point. Contact BancTec if you require advice on security.
- 2) Assign the server PC a fixed IP Address. This is required as the IP Address of the Server needs to be configured in the HHT.
- 3) Set-up the HHT to connect to the WiFi network. The RF & IP settings in the HHT will need to be configured to match the access point and the network.
- 4) Configure the RFeasyServ client on the HHT to connect to the server PC.

For notes on configuring the client please refer to the relevant HHT instructions.

### **Application Changes**

After installing the RFeasyServ.ocx from the set-up package provided by BancTec load the server application into the development environment.

Replace the control

- 1) On the Components screen (Ctrl+T) add the RFeasyServ control.
- 2) Display the form with the PLServer control and make a note of its name from the properties page (typically "PLServer1").
- 3) Remove the PLServer control from the form.
- 4) Add the RFeasyServ control to the form.
- 5) Rename the RFeasyServ control as per PLServer (typically "PLServer1").

Change the connect

- 6) Change the connect method from Connect or ConnectSerialServer with PLServer to ConnectIP with RFeasyServ  
e.g. from `retval = PLServer1.Connect(1)`  
to `retval = PLServer1.ConnectIP("172.16.13.87",81)`
- 7) Change the disconnect method from Disconnect or DisconnectSerialServer with PLServer to DisconnectIP with RFeasyServ  
e.g. from `retval = PLServer1.Connect(0)`  
to `retval = PLServer1.DiconnectIP`
- 8) Name change to "What" event.  
The "What" event has changed name to "WhatEv"



# RFeasyServ

**Adding power to your RF Network.**

These should be the only changes you need to make to the server application to start testing RFeasyServ.

Please refer to the RFeasyServ programmer's manual for details on all the Methods & Events used, plus details on enhanced functionality.. e.g. reverse text, large font and some new functions ErrorBeepLed, GetMark & Led

## **Methods & Events**

There are some methods and events used by PLServer, which haven't been included in RFeasyServ because they are redundant or rarely used.

The following commands are specific to the PiccoLink narrowband system and are therefore not required by RFeasyServ running over a WiFi wireless network.

GetRSSI	DisconnectSerialServer
GetStatus	DataIn
GetExtraID	SendSSMData
GetReceiveBuffer	WaitSSMData
Connect	SendSSMAck
StartServer	(event) SerialServerMessage
StopServer	(event) DataOut
ConnectToSerialServer	(event) DataFromSSM

The following commands are used for RFID terminals. These functions haven't been included within RFeasyServ as we haven't standardised our RFID Platform at this stage. If RFID is a requirement it's possible to add the functionality to RFeasyServ.

- RFIDField
- SendWaitRFIDEngineData
- RFIDReadPages

These commands are used for Special Commands and HS Fields. As these are rarely used they haven't been included in this version of RFeasyServ. If you require these commands then please contact your BancTec representative.

- GetSpecialData
- SpecialCmd
- SetNotify
- (event) DataFromHsField

The following commands are used when using the HHT in "Receiver" mode. This mode is rarely used and is unique to the proprietary narrow band network and as such has not been included in this version of RFeasyServ. If you require these commands then please contact your BancTec representative.

- Receiver
- WaitReceiverAck
- IsReceiver
- SendMsg
- (event) MessageReceiverNotFound