

1 Product description

The ABC-PRT-USS works as a gateway between a Profinet network and an USS network. The gateway acts as a Profinet slave on the Profinet network and as an USS master on the USS network. This document describes an easy startup of the gateway. For more detailed information please see the manual of the product.

1.1 Supported features on PROFINET

The ABC-PRT-USS acts as a PROFINET IO device with RT functionality.

1.2 Siemens USS Protocol

The USS protocol (Universal Serial Interface Protocol) defines an access technique according to the Master-Slave principle for communication via a serial RS-485 based communication bus. ABC-PRT-USS has implemented a full featured USS Master that supports cyclic communication with fixed telegram lengths.

1.3 PKW and PZD Data Handling

The ABC-PRT-USS will transfer all PKW and PZD data transparently trough the Gateway

1.4 Configuration of the Gateway

The Gateway is solely configured with the standard PLC configuration tool, i.e. STEP7. No local configuration tools or settings shall be required. The configuration is based on the Profinet GSD file of the Gateway that can be downloaded from the web page. The configuration parameter that can be accessed from the STEP7 tool is the baudrate that is located in the module on Slot 0, Subslot 0, Index 1. With this parameter you set can the baudrate of the USS sub-network.



LED Ind. Communication Status 1 2 Module Status Link/Activity 3 4 (not used) USS Status 5 6 Gateway Status :: ProfiNet Connector: 1. TD+ 2. TD-3. RD+ 4. Termination -5. Termination 6. RD-7. Termination 8. Termination Sub Network Connector: 1. +5V OUT 6. NC 2. NC 7. NC 3. NC 8. RS485+ 9. RS485-4. NC Power: 5. Signal GND Casing - PE 1. +24V DC 2. GND

2 Gateway status LEDs and connector

Figure 1

| | Led (number) | Indication | Meaning |
|-------------|--------------------------|---|--|
| | Communication Status (1) | Off Green Flashing Green | Not powered / Not online On line, Connection with IO established, IO controller in run state On line, Connection with IO established, IO controller in stop state |
| Fieldbus | Module Status (2) | Off Solid Green 1 Sequential Green blink 2 Sequential Green blinks 1 Sequential Red blink 3 Sequential Red blinks 4 Sequential Red blinks | No power or module not initialized Module initialized, no errors Diagnostic data available Used by engineering tool to identify the ABC Configuration error No station name or no IP address assigned Failed to initialized Profinet IO object or no mac address |
| | Link Activity (3) | Off Green Flashing Green | No link. Module is connected to an Ethernet network Packet is received or transmitted |
| | USS Status (5) | Off Red Green | USS communication idle USS communication timeout USS communication detected (Receiving only) |
| Sub Network | Gateway Status (6) | Off Green Flashing 1Hz Red Flashing 1Hz Red Flashing 2Hz Red Flashing 4Hz Green Red | Power off Configuration in progress No configuration present Configuration error Initialization error of Anybus module Running Stopped |

Figure 2



3 Getting started

3.1 Primary setup tool

After the hardware configuration of the PLC, the ABC-PRT-USS Gateway has to be configured.

When the ABC-PRT-USS gateway is to be used the first time, a "Station Name" needs to be set for the gateway. To set the station name perform the following steps:

- 1. Open the program SIMATIC Primary Setup Tool.
- 2. Select "Network Adapter" in the "Settings" menu and then browse the network.
- 3. Select the Ethernet interface for the gateway and select "Browse" from the "Network" menu,
- 4. Enter correct station name, see figure 3.

| Primary Setup Tool - Siemens CP1612 - Packet Schee | luler Miniport - s7wnpstx.exe |
|--|---|
| Network Module Settings ? | |
| 💊 🖆 📳 | |
| □ | Ethernet interface MAC address 00 - 30 - 11 - 02 - 45 - F1 © Obtain IP address from DHCP server Identified by © MAC address © Device name © Client ID |
| Assign Name | ▲ 10 . 10 . 21 . 11 |
| Station name | 255 . 255 . 255 . 0 |
| ABC-USS-PRT | Cancel 10 . 10 . 21 . 1 |
| Ready | |

Figure 3



The primary setup tool is usually not installed with a standard STEP7 installation.

Instead we use the build in function "Edit Ethernet node" to assign IP-address and Station name to the PNdevices, that can be called from the SIMATIC Manager via "PLC \rightarrow Edit Ethernet Node…".

| Edit Ethernet I | No de | | 3 |
|----------------------|--|--|------------------|
| Ethernet node | | | |
| MAC <u>a</u> ddress: | 00-30-11-02-45-EB | Nodes accessible onli | ne |
| | | | |
| Browse Network - | 2 Nodes | | |
| <u>Stop</u> | IP address MAC address 157.163.228 00-30-11-02-45-EB 192.168.0.1 08-00-06-6B-93-3C | Device type Device name ABC-USS-P ABC-USS-PR' S7-300 PN-IO | |
| Elash | < | | 53.224.1 name |
| | MAC address: | | |
| ОК | | Cancel Help | |
| | | | |
| Assign device name: | ABC-USS-PRT | Ass | sign Name |
| Reset to factor | v settings | | |
| | | | <u>R</u> eset |
| <u>C</u> lose | | | Help |

Figure 4



3.2 SIMATIC Manager

After the name is set the gateway have to be configured. To configure the gateway please perform the following steps.

- 1. Open the program SIMATIC Manager program and start a new project.
- 2. Choose PG/PC interface from the menu as shown in figure 5.

| SIMATIC Manager - 57_P | ro3 | |
|-----------------------------|--|-----------------------------|
| File Edit Insert PLC View | Options Window Help | |
| D 🖻 🔡 🛲 🗼 🖻 | Customize Ctrl+Alt+E | < No Filter > 🔽 🏏 🔡 🕮 🖪 🖿 🕺 |
| 57_Pro3 C:\Program F | Text Libraries Display Language Manage Multilingual Texts | P P |
| | Rewire Run-Time Properties | |
| | Compare Blocks, Reference Data Define Global Data Configure Network | |
| | Simulate Modules Configure Process Diagnostics | |
| | Set PG/PC Interface | |
| | | Figure 5 |

3. Change the PG/PC Interface to TCP/IP (AUTO), as shown in figure 6.

| Set PG/PC Interface | × |
|--|-------------------------|
| Access Path | |
| Access Point of the Application: S70NLINE (STEP 7)> TCP/IP(Auto) - (Standard for STEP 7) | > D-Link DFE-530 💌 |
| Interface <u>P</u> arameter Assignment Used: TCP/IP(Auto) -> D-Link DFE-530TX PCI F. | Properties |
| CP/IP -> D-Link DFE-530TX PCI F▲ CP/IP -> NdisWanIp CP/IP(Auto) -> D-Link DFE-530TX CP/IP(Auto) -> D-Link DFE-530TX ↓ ↓ (Assigning Parameters to Your NDIS CPs | Diagnostics Copy Dejete |
| with TCP7IP Protocol (RFC-1006)) Interfaces Add/Remove: | Sele <u>c</u> t |
| ОК | ancel Help |

Figure 6



4. Select station and click on Hardware, as shown in figure 7.

| 📴 first test C:\Program Files\Siemens\Step7\s7proj\first_te | | | | | | | | |
|---|----------|-----------------|--|--|--|--|--|--|
| ⊡∰ first test ⊕∰ SIMATIC 300(1) | Hardware | CPU 315-2 PN/DP | | | | | | |

Figure 7

5. Enter the "HW config" of STEP7 and import the GSDML file for the gateway as shown in the figure 8.

| HW Config - SIMATIC 300(1) | | | | | |
|--|--|------------|-------------|----------------|-----------|
| Station Edit Insert PLC View | Options Window Help | | | | |
| | Customize | Ctrl+Alt+E | | | |
| SIMATIC 300(1) (Configur | Specify Module Configure Network Symbol Table Report System Error | Ctrl+Alt+T | | I O Sustan (1) | 201 |
| 1 2 CPU 317-2 PN/DI X1 MPI/DP X2 PN-IO 3 | Edit Catalog Profile Update Catalog Install HW Updates Install GSD file | | | | |
| 4 5 6 7 | Find in Service & Support | | | | |
| (0) UR | | | | | |
| Slot Module | Order number | Firmware | MPI address | l address | Q address |
| 2 🚺 CPU 317-2 PN/DP | 6ES7 317-2EJ10-0AB | 0 V2.3 | 2 | | |
| X1 MFI/DP | | | 2 | 8191* | |
| <u>X2</u> <i>FN-10</i> | | | | 8190* | |

Figure 8



5. Drag and drop the ABC-PRT-USS into the network as shown in figure 9

| <mark>OQ</mark> HV Oh s | W Config - [SIMATIC 300 Stat itation Edit Insert PLC View | tion (Configuration) 57_Pro: w Options Window Help | 3] | | | | | | | _ 8 : | × |
|--|---|---|-----------|-----------|--------------------------|---------|--|---|---|--|------|
| | 2212-1211291129112911291 | | ▶? | | | | | | | | |
| | Image: Series of the series | | | | | | | Eind: Profile: | Standard ROFIBUS DP ROFIBUS PA ROFINET IO Additional Field Gateway Gateway Gateway Gateral I/O | d Devices Is-C BC-USS-PRT 0 Other modules USS_Configur | s ra |
| | I | | | | | | | | IMATIC 300 IMATIC 400 IMATIC PC Base | ed Control 300/4 | ,0 |
| Steven 2 (2) (2) (2) (2) (2) (2) (2) (2) (2) (| Module Module ABCUSS-PR7 | Order Number ABC-USS-PR7 | I Address | Q address | Diagnostic address 8788* | Comment | | ABC-USS HMS Ind Anybus-C GSDMI - | :-PRT ustrial Networks USS PROFInet 11 CHms-&RC41 | 55-PB1-=1 | · < |
| Proce I | E1 to get Help | | | | | | |] | | | - |

Figure 9

Overview of correlations between the HW-Configuration and drive parameter settings

| Drive parameters | MASTER- DRIVES | MICROMASTER MM4xx | SINAMICS G110 | corresponds in HW-Config to |
|---------------------|-------------------|----------------------|------------------|-----------------------------------|
| | | | | settings according |
| Baudrate | P701 | P2010.2 | P2010 | to Fig. 10 |
| USS-bus-address | P700 | P2011.2 | P2011 | slot-number. |
| | | | | settings according |
| Amount of PKW words | P702 | P2013.2 | P2013 | to Fig. 11 & 12 |
| | | | | settings according |
| Amount of PZD words | P703 | P2012.2 | P2012 | to Fig. 11 & 12 |



6. Enter the correct baudrate used for the USS network, highlight slot 0 (ABC-PRT-USS), right click and select object properties. Select the parameter TAB. The choosen baudrate must correspond to the baudrate selected via the parameters in the USS-slaves. Otherwise no communication will be established.

| 🙀 HW Config - [DTPG-LAB (Config 🖣 Station Edit Insert PLC View | juration) Profi-dtpg] w Options Window Help | | | | | _ & × |
|--|--|---------------|--|--------|-------------------------------------|---|
| | e 111 | 🖁 💦 | | | | |
| ■ (0) PC 1 H CP 1612 2 Application | Properties - ABC-USS-PRT | | | | Eind: | : I X M† Mi |
| 3 4 | Addresses Parameter | | | | | dard 🗾 |
| 5 6 7 | Parameter Parameter E Baudrate | | Value 38400 kbits 9600 kbits 19200 kbits 38400 kbits | | | US-PA ET 10 3000 400 FC Based Control 300/400 FC Based Control 300/400 |
| (1) ABC-USS-PRT | | | | | | |
| Stot Module ℓ ABCUSS+FRT 1 words: PKW:04 ; PZD: 16 2 | | | | | | |
| 3 4 5 6 - | | | | | | |
| 7 8 9 10 | | | | | | |
| 11 12 13 14 | OK | | | Cancel | Help | |
| 15 words: PKW:04 ; PZD: 16 16 words: PKW:04 ; PZD: 16 17 18 19 9 | | 4283 84125 | 4283 84125 | | PROFIBUS-DP = C7 (distributed ra | slaves for SIMATIC S7, M7, and ts |
| Press F1 to get Help. | | | | | D | |
| 🏂 Start 🦉 USS6.bmp - Paint | SIMATIC Manager - F | Profi 🔣 H | W Config - [DTPG-LA | | | 💁 « 👽 🦓 💦 11:26 |
| | | | | | | |



7. Next add an Object and the correct PKW and PZD and edit the I/O addresses if necessary, as shown in figure 11 and 12. The choosen values for PKW and PZD must correspond to the parameter-settings for PKW and PZD in the addressed USS-slaves.

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| |

Figure 11

| HW Config - SIMATIC 300(1) Station Edit Insert PLC View Opt | ions Window Help | | | | <u>_</u> _× |
|---|----------------------|-----------|-----------|--------------------|-------------|
| | | ? | | | |
| SIMATIC 300(1) (Configuratio [0] UR [2 [0] CPU 317-2 PN/DP X7 [0] MR//DP R//DP R//DP | n) SDV-7251-008_23_1 | Etherne | | [-10-System (100) | |
| 3 | | DP-NORM |] | | |
| (1) ABC-USS-PRT | | | | | |
| Slot 🚺 Module | Order Number | I Address | Q address | Diagnostic address | Comment |
| 0 📑 ABC-USS-PRT | ABC-USS-FRT | | | 8188× | |
| 1 words: PKW:04 ; PZD: 16 | | 041 | 041 | | |
| 2 | | | | | |
| ABC-USS | Dther modules | | | | |
| | USS Configuration: | | | | |
| | words: PKW:00 : | | | | |
| 7 | words: PKW:00 ; | | | | |
| 8 | 📕 words: PKW:00 ;— | | | | |
| 9 | words: PKW:00 ; | | | | |
| | words: PKW:00 ; | | | | |
| 12 | words: PKW:00 ; | | | | |
| 13 | words: PKW:00 ; | | | | |
| 14 | | | | | |

Figure 12

Fig. 12 shows an example for an USS-slave with USS-bus-address 1 and the parameter-settings PKW = 4 words and PZD = 16 words.



| HW-configuration | drive parameter for USS-bus-address | | | | | |
|------------------|-------------------------------------|-------------------|----------|--|--|--|
| | MASTER- | MICROMASTER | SINAMICS | | | |
| Slot-number | DRIVES | MM4xx | G110 | | | |
| | P700 | P2011.2 | P2011 | | | |
| 1 | 1 | 1 | 1 | | | |
| 2 | 2 | 2 | 2 | | | |
| 3 | 3 | 3 | 3 | | | |
| ••• | : | : | : | | | |
| • • | : | : | : | | | |
| 31 | 31 | 31 | 31 | | | |
| Slot-number | corresponds 1 | :1 to USS-bus-add | ress | | | |

8. Enter an IP address for the PN-IO, as shown in figure 13 and 14

| HW Config - [SIMATIC 300(1) (Config Busication Edit Insert RIC View On | guration) Profi-dtpg-plc] tions Window Help | | | | | | | | | |
|---|--|---|-----------|--------------------------------|-------------|------------|---|--------------------|--|--------------|
| | | N ? | | | | | | | | |
| (0) UR 1 2 CPU 317-2 PN/DP X7 MPV/DP X7 MPV/DP X2 | net(1): PROFINET-IO- | System (100) | | | | | 1 | Find: Profile: | Standard | nț nț |
| 3 3 CC 4 Pa Pa 5 Re Pa c A Pa i Image: Comparison of the parameters of | spy sste splace Object dl Master System sconnect Master System sert RROFINET IO System sconnect PROFINET IO System schnone Mode | Ctrl+C Ctrl+V | | | | | | | PROFILUS DA PROFINET IO SIMATIC 300 SIMATIC 400 SIMATIC PC Based Control 300/4 SIMATIC PC Station | 00 |
| 4 5p | ecify Module | | | | | | • | | | |
| Image: Constraint of the second sec | anto a normal sector of the se | Alt+Return Ctrl+F2 Ctrl+F7 Ctrl+F6 | dress | l address 81.91 * 81.92* | Q address | Comment | | | | |
| 7 8 9 10 11 | | | | | | | | PROFIE C7 (dist | SUS DP slaves for SIMATIC S7, M ributed rack) | 7, and Ē_ |
| Displays properties of the selected object for a start W US510.bmp - Paint | editing. | SIMATIC | . Manager | - Profi | 🖞 HW Config | - [SIMATIC | | | <mark>50</mark> ≪ ∰(&) | 11:42 |

Figure 13

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| Properties - Ethernet interface PN-IO (R0/52.2) | × |
|---|---|
| General Parameters | |
| IP address: 10.10.21.52 Gateway Subnet mask: 255.255.255.0 O Do not use router C Use router Address: 10.10.21.52 | |
| Subnet: | |
| Ethernet(1) | |
| Properties | |
| Delete | |
| | |
| OK Cancel Help | |



9. Select "Object Properties" by clicking on the ABC-PRT-USS module, as shown in figure 15.

| HW Config - [DTPG-LAB (Configu | uration) Profi-dtpg] | | | | | | | X |
|--|-----------------------------|-------------|----------|----------------------------|--------------------|---|---------------|---|
| Station Edit Insert PLC View | Options Window Help | | | | | | | |
| | | S 🕅 👘 | | | | | 1 | |
| 🛄 (0) PC | | | | | | Ê | Tin di | |
| 1 + CP 1612 | Ethernet(1 |): PROFINET | IO-Syste | em (100) | | | <u>r</u> ina: | wi |
| 2 Application | | | | | | | Profile: | Standard 💌 |
| 4 | | | (1) ABC | us | | | ₽₩₽ | ROFIBUS DP |
| 6 | | | DP-NO | | Chilac | | I₩ P | ROFIBUS-PA ROFINET IO |
| 7 | -1 | | _ | Paste | Ctrl+V | | | IMATIC 300 |
| | | | - | Replace Object | | | 🗄 🛄 S | IMATIC 400 IMATIC RC Record Control 2007400 |
| | | | | Edit IP Addresses | | | | IMATIC PC Station |
| | | | | Specify Module | | | | |
| | | | | Delete | Del | | | |
| ↓ | | | | Move | | | | |
| ← → (1) ABC-USS-PRT | | | | Size | | | | |
| | | L | 10 | Minimize | | | | |
| Slot Module | Urder Number ARC//SS-BRT | 1 Address | Ua - | Maximize | | | | |
| 1 words: PKW:04 ; PZD: 16 | | 041 | 04 | Go To Object Properties | Alt I Doturn | | | |
| 2 | | | | Object Properties | AICTROUT | | | |
| 4 | | | | Product Support Inform | Ctrl+F2 Ctrl+F7 | | | |
| 5 | | | | Find Manual | Ctrl+F6 | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 11 | | | | | | | | |
| 12 | | | | | | | | |
| 13 | | | | | | | | |
| 15 words: PKW:04 ; PZD: 16 | | 4283 | 4283 |) | | | | |
| 16 words: PKW:04 ; PZD: 16 | | 84125 | 8412 | | | | PROFIBU | IS-DP slaves for SIMATIC S7, M7, and $\overline{\mathbf{t}}_{\underline{\boldsymbol{\zeta}}}$ |
| 18 | | | | | | | C7 (distrib | uted rack) |
| 119 | | | 1 | | 1 | - | | |
| Displays properties of the selected object | ct for editing. | | | | | | | |
| 🛃 Start 🦉 USS7.bmp - Paint | SIMATIC Manager - Pr | rofi 🔣 🔩 H | W Conf | ig - [DTPG-LA 🎑 🛙 | Doc | | | 💁 « 🐼 😽 👫 11:31 |
| | | | | Figure 15 | | | | |

10. Make sure that the "Assign IP address via IO Controller" is not selected, as shown in figure 16.

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| Properties - ABC-USS- | PRT | | | × |
|-----------------------|---|--------------------------|----------|------|
| General | | | | |
| Short Description: | ABC-USS-PRT | | | |
| | Anybus-C USS PROFInet | | <u>×</u> | |
| Order No.: | ABC-USS-PRT | | | |
| Device Name | ABC-USS-PRT | | | |
| GSD File: | GSDML-V1.0-Hms-ABC-USS-P Change release number | RT-20060411.xml | | |
| Node / PN IO system | n | | | |
| Device Number: | 1 | PROFINET-IO-System (100) | | |
| IP Address: | | Ethernet | | |
| Assign IP addre | ss via IO Controller | | | |
| Comment | | | | |
| | | | | |
| | | | | |
| 1 | | | | |
| ОК | | | Cancel | Help |

Figure 16

11. Set your TCP/IP settings, in your local area Connection, to the same subnet as the PN-IO, as shown in figure 17 below.

| Internet Protocol (TCP/IP) Propertie | s ? 🗙 |
|--|--|
| General | |
| I You can get IP settings assigned autom this capability. Otherwise, you need to a the appropriate IP settings. | atically if your network supports sk your network administrator for |
| O Obtain an IP address automaticall | y |
| ──● Use the following IP address: ──● | |
| IP address: | 10 . 10 . 21 . 10 |
| S <u>u</u> bnet mask: | 255.255.255.0 |
| Default gateway: | · · · |
| O Obtain DNS server address autor | natically |
| ☐ Use the following DNS server add | Iresses: |
| Preferred DNS server: | · · · |
| <u>A</u> lternate DNS server: | · · · |
| | Ad <u>v</u> anced |
| | OK Cancel |

Figure 17



12. Download the configuration to the PC/PLC as shown in figure 18

| 🕂 HW Config - [SIMATI(| 300 Station (Configurati | on) 57_Pro3] | | | | | | _ 8 |
|------------------------------|--------------------------------|---------------|-------------|--------------------|---------|----------|---------------|---|
| Constant Station Edit Insert | PLC View Options Wind | ow Help | | | | | | _ 8 |
| | Download Upload | Ctrl+L | | | | | | |
| ∍mus | Download Module Identific | ation | | | | - | | = <u>_</u> |
| 1 | Upload Module Identificati | ion to PG D-9 | ystem (100) | _ | | | <u>F</u> ind: | <u>m</u> † (|
| 2 CPU 317-2 | Faulty Modules | Γ | | _ | | | Profile: | Standard |
| X2 PN-10 | Module Information | Ctrl+D | | | | | PROFIBUS- | ΡΑ |
| 3 | Operating Mode | Ctrl+I | | | | | PROFINET | |
| 5 | Clear/Reset Set Time of Day | | | | | | Gate | al Field Devices sway |
| | Monitor/Modify | | | | | | | Anybus-C |
| | Update Firmware | | | | | | | ABC-USS-PRT |
| | Save Device Name to Men | nory Card | | | | | | E DSS_Configurations |
| | Etherpet | | | | | | | words: PKW:00 ; PZD: 02 |
| | | | | | | | | words: PKW:00 ; PZD: 06 |
| | PROFIBUS | | | | | - | | words: PKW:00 ; PZD: 08 |
| ∢ | Save Service Data | | | | | | | words: PKW:00 ; PZD: 10 |
| | | | | | | | 1 | words: PKW:00 ; PZD: 14 |
| (1) ABC-USS-F | PRT | | | | | | | words: PKW:00 ; PZD: 16 words: PKW:03 ; PZD: 02 |
| Slot 🚺 Module | Order Number | I Address | Q address | Diagnostic address | Comment | | | words: PKW:03 ; PZD: 04 |
| 0 💼 ABC-USS-PRT | ABC-USS-FRT | | | 8188* | | <u> </u> | | words: PKW:03 ; PZD: 06 |
| 2 🚺 words: PKW:04 | ; PZD: 02 | 013 | 013 | | | | | words: PKW:03 ; PZD: 10 |
| 3 | | | | | | | | words: PKW:03 ; PZD: 12 |
| 5 | | | | | | _ | | words: PKW:03 ; PZD: 14 |
| 6 | | | | | | | | words: PKW:04 ; PZD: 02 |
| 7 | | | | | | _ | | words: PKW:04 ; PZD: 04 |
| 9 | | | | | | | | words: PKW:04 ; PZD: 08 |
| 10 | | | | | | | | words: PKW:04 ; PZD: 10 |
| 12 | | | | | | _ | | words: PKW:04 ; PZD: 12 |
| 13 | | | | | | | | words: PKW:04 ; PZD: 16 |
| 14 | | | | | | _ | | |
| 16 | | | | | | | for MASTE | s: PKW:00; PZD:02 , suitable A RDRIVES, MICROMASTER |
| 17 | | | | | | | 420/430/4 | 40 and SINAMICS G110 |
| 10 | | | | | | <u> </u> | GSDML-V1 | .0-Hms-ABC-USS-PRT-2006041 |

Figure 18



4 Web interface

Type the IP address in the navigation toolbar. The following window should appear, see figure 19.

The default Username is "USS Gateway" and the Password is "1234". The same Username and password is used to log on to the ftp. On our gateways the username and password for the ftp-logon is "admin; admin".

Could you please verify that "USS Gateway; 1234" is correct for ftp as well.

| Connect to 10.10.21 | .53 ? 🗙 |
|---------------------|-----------------------------|
| | G |
| USS Gateway | |
| <u>U</u> ser name: | 🔮 USS Gateway 📃 |
| <u>P</u> assword: | •••• |
| | <u>Remember my password</u> |
| | |
| | OK Cancel |

Figure 19

There are a number of functions on the default webpage, such as email notification, displaying slave status etc. It is also possible to add user defined pages via ftp.