2019

Data Switch-Remote Power Control Quick Start (DS-RPC)

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CABLING
RJ-45 Cable
Control Module RJ-45 pin Signals

Pin	EIA 232 Signal	Signal Direction	Description
1	DTR	Out	Handshake, Line Driver Inactive State = High: +12V when power is applied. Used as a handshake line to enable/disable the receiving of characters.
2	GND		Signal Ground
3	RTS	Out	Handshake, Line Driver Inactive State = High: +12 V when power is applied. Not used to enable/disable.
4	TX	Out	Transmit (Data Out)
5	RX	In	Receive (Data In)
6	DSR	In	Handshake In. –12V when not used
7	GND		Signal Ground
8	CTS	In	Used as a handshake line to enable/disable the receiving of characters.

Adapter signals

Listed are the pin specifications for the BayTech cable and adapters and the terminal COM ports:

Serial 1: Port Pin out Table

Signal	RS-232 Port (DS)	RS-232 Port (RPC)	COM Port DE-9 Pin	COM Port DB-25 Pin	Signal
DTR	1	1	4	20	DSR
GND	2	2		1	GND
RTS	3	3	7	5	CTS
TXD	4	4	3	2	RXD
RXD	5	5	2	3	TXD
DSR	6	N/C	6	6	DTR
GND	7	7	5	7	GND
CTS	8		8	4	RTS
DTR			4		DCD
DCD		8	1	8	DTR
RI	9			22	

RJ08X007 Standard Rollover Cable – RJ45 to RJ45
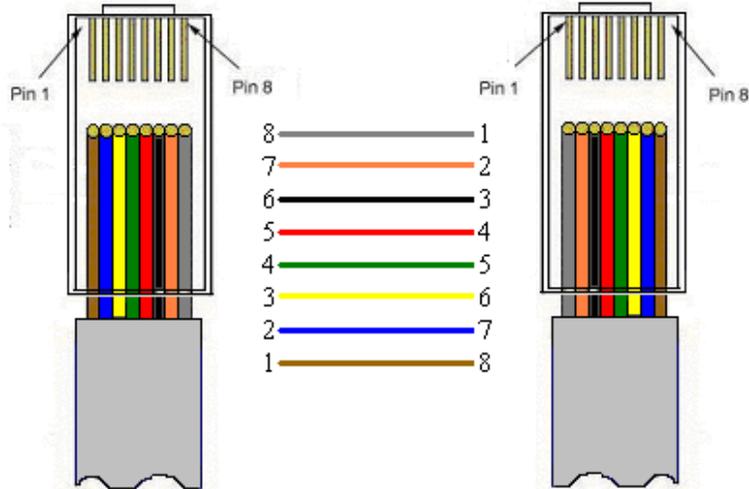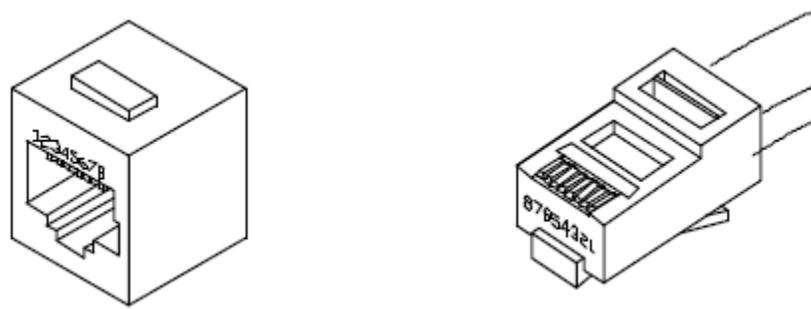
Adapters
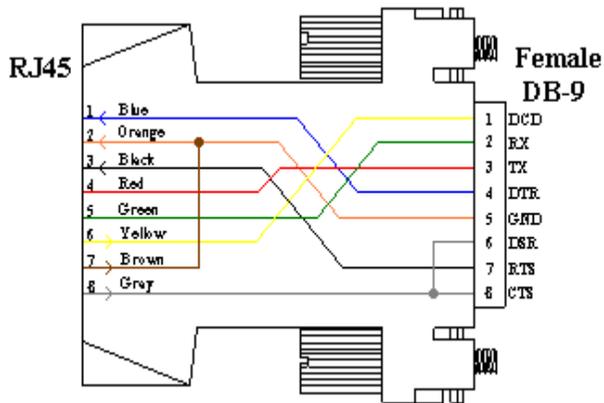
(Use with RJ08X007 Cable and B/C switch in "B")

Serial Setup

Refer to the Host module user's manual

NOTE: At any time during the session you need to go to another menu, use the **Attention Character = semi-colon (;)**. Press the attention character key 5-times to get back to the main status menu.

NOTE: Password feature is case sensitive. (Default is user/password is **root/baytech**). If the DS-RPC login is enabled, the default User Name is **'admin'; password is 'baytech' lower case or 'BTA' upper case for older units.**

QUICK START: DS-RPC

For those Administrators who have requested the bare minimum for this type of equipment, follow these steps exactly. If this is a new unit shipped directly from Baytech, follow the steps. If this is a previously own unit, perform a factory reset to clear out any users and passwords still in the unit.

DS2-RPC Controller Quick Start

Setup the HOST module configuration first, before continuing.
1. If you get only a blinking cursor Press 'Enter'. If still get only a blinking cursor, Type 5 semi-colons (;), The Attention Character will not echo on the screen. There is a one second delay before the menu is displayed. You should see a menu similar to (**Figure 1**).
2. Type **"C"** for configure and press 'Enter'.
3. Type the number for 'DS-RPC' at the prompt and press 'Enter', (**Figure 2**).
4. The outlet control menu, (Figure 3), has three options available to controlling the outlets, **on/off/reboot,** (**Figures 4/5/6**).
5. At the DS-RPC prompt type **"config"** and press 'Enter', (**Figure 7**).
6. Type "**1**" at the prompt and press 'Enter' to change the password. **Default is blank,** (**Figure 8**)
7. Type the Attention Character 5-times at the DS-RPC prompt to get to the Host module network menu (**Figure 1**).

At this point you have enough basic configurations needed to operate the RPC part of the DS-RPC unit.

DS2-RPC explanation quick start
Figure 1: Host Module Menu

```
    Module:
    Attention Character: ]

    Device A          ................1
    Device B          ................2
    Device C          ................3
    Device D          ................4
    DS-RPC            ................5
    Configure......................C
    Status.........................S
    Unit Reset....................RU
    Logout.........................T
```

Figure 2: Module Configuration Menu

```
    Configuration
    DS62           module #1.........1
    DS74           module #2.........2
    DS-RPC         module #3.........3
    Enter Request :3
```

```
DS-RPC Power Control
(C) 1997 by BayTech
Rev. F0.15

Circuit Breaker: On

1)...Outlet 1  : On
2)...Outlet 2  : On
3)...Outlet 3  : On
4)...Outlet 4  : On


DS-RPC>
```

Type 'off' / 'on' / 'reboot' at prompt and should get the following:
'off' = Figure 3; 'on' = Figure 4; 'reboot' = Figure 5

Figure 4: Outlets ON

```
DS-RPC>off
Turn Off All Outlets (Y/N)?
```

Figure 5: Outlets Off

```
DS-RPC>on
Turn On All Outlets (Y/N)?
```

Figure 6: Outlets Reboot

```
DS-RPC>reboot
Reboot All Outlets (Y/N)?

"9-0 count down"
```

NOTE: The reboot option has a 10-second count down before the outlets turn back on

Figure 7: Configuration Menu

```
1)...Change Password
2)...Change Outlet Name
3)...Enable/Disable Confirmation
4)...Enable/Disable Status Menu
X)...Exit
Enter Request:
```

Figure 8: Password

```
Enter Current Password: ****
Enter new Password:
Re-Enter new Password:
```

DS4(A)-RPC Controller Quick Start

Setup the HOST module configuration first, before continuing.
1. If you get only a blinking cursor Press 'Enter'. If still get only a blinking cursor, Type 5 semi-colons (;), The Attention Character will not echo on the screen. There is a one second delay before the menu is displayed. You should see a menu similar to (**Figure 9**).
2. Type "C" at the prompt and press 'Enter'.
3. Type the number for the 'DS-RPC' and press 'Enter', (**Figure 10**).
4. Type "1" for Manage Users and press 'Enter'. (**Figure 11**)
5. **IMPORTANT:** the first user added will be the ADMIN user. Type 'A' and press 'Enter', (**Figure 12**) Type a name for the admin user. Type the number of the user, just added. Add the outlets.
6. Press 'Enter' until you get to the Host module menu (**Figure 9**).

At this point you have enough basic configurations needed to operate the RPC part of the DS-RPC unit.

Figure 9: Host Module Menu

```
Module:
Attention Character: ]

Device A          ................1
Device B          ................2
Device C          ................3
Device D          ................4
DS-RPC            ................5
Configure.......................C
Status..........................S
Unit Reset.....................RU
Logout..........................T
Enter Request :c
```

Figure 10: Module Configuration Menu

```
Configuration
DS62           module #1.........1
DS74           module #2.........2
DS-RPC         module #3.........3
Enter Request :3
```

Figure 11: DS-RPC Configuration Menu

```
1)...Manage Users
2)...Change Outlet Name
3)...Enable/Disable Confirmation
4)...Enable/Disable Status Menu
5)...Change Unit ID
6)...Change Alarm Threshold
X)...Exit
Enter Request :1
```

Figure 12: Add User Menu

```
----------------------------------------------
|       User        |    Assigned Outlets    |
|                   |  1  |  2  |  3  |  4   |
----------------------------------------------
----------------------------------------------
 A)...Add User
 D)...Delete User
 R)...Rename User

Enter user number to assign Outlets, A, D or R.
Enter Request: a
```

Type the letter **"A"** at the prompt to add a user.

Type the name of user.

```
Enter user name: engineer
```

```
----------------------------------------------
1)...engineer      |  N  |  N  |  N  |  N  |
----------------------------------------------
 A)...Add User
 D)...Delete User
 R)...Rename User

Enter user number to assign Outlets, A, D or R.

Enter Request: 1
```

Select number of user.

```
--------------------------------------------------
|       User        |    Assigned Outlets      |
|                   |  1  |  2  |  3  |  4   |
--------------------------------------------------
|     engineer      |  N  |  N  |  N  |  N  |
--------------------------------------------------

1)...Add Outlet(s)
2)...Remove Outlet(s)
3)...Add All Outlets
4)...Remove All Outlets

Enter Request: 1

Enter Outlet number(s): 1,3
```

Type **"1"** or **"3"** to add outlets.