

# *DS Series Manual*

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## *QUICK START*

*For*

*DATA SWITCH – Remote Power Controller*

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## **DS-RPC Manual**

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## QUICK START: DS-RPC

by Bay Technical Associates

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.

### RPC Controller Configuration:

Before continuing your System Administrator needs to tell you to use DHCP or give you an IP Address, Subnet Address, and Gateway Address.

1. Connect the 9FRJ45PC-4 or 9FRJ45PC-1 adapter to your PC.
2. Connect the supplied rollover flat cable RJ08X007 to the adapter and to the EIA232 serial port on the Baytech HOST Module.
3. Use terminal emulation software to access the unit, (i.e. Microsoft Hyper-terminal). Set the PC serial port configuration to the following: **9600 bps, 8 data bits, 1stop bit and no parity.**
4. If you get only a blinking cursor Press 'Enter'. If still 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).
5. Select 'DS-RPC' and type 'config' at the prompt for the configuration menu. You should see a menu similar to (Figure 2).
6. Select Manage Users. You should see a menu similar to (Figure 3)
7. **IMPORTANT NOTE:** the first user added will be the ADMIN user. Type 'A' and press 'Enter'. Type the name of the admin user. The name is case sensitive.
8. Select the number of the user. You should see a menu similar to (Figure 4).
9. Select 'Add Outlet(s)' to add a few outlets (i.e. 1,2,4) and press 'Enter' or select 'Add All Outlet'. A 'Y' signifies the outlet has been assigned to the user.
10. Press 'Enter' Repeat steps 6 thru 9 to add other users.
11. Press 'Enter' until 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.

### Serial Setup

- Connect the *9FRJ45PC-4* adapter to the user's computer
- Connect the Host Module's EIA-232 port to the adapter via the *RJ08X007* rolled flat ribbon cable.
- Use terminal emulation software to access the unit, **9600 bps, 8 data bits, 1stop bit and no parity.**

**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 consecutive times to get back to the main status menu.

**NOTE:** User Name and Password feature is case sensitive. Default is '**root/baytech**', If the DS-RPC login is enabled, the default User Name is '**admin**'.

Figure 1

```
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
```

**NOTE:** to get to the DS-RPC menu select the DS-RPC option and then type ‘config’ at the prompt.

Figure 2

```
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
```

Select manage users option and select Add User. The following menu is displayed.

**NOTE:** the first assigned user will be the ‘admin user’ for the outlets.

Figure 3

```
-----
|          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 new user name, than select the user to add individual or all outlets. The following menu is displayed.

Figure 4

User	Assigned Outlets			
	1	2	3	4
user3	N	N	Y	Y

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

**Manage Users**

Select “Manage Users,” from the main menu allows the admin user to add and delete users, change passwords, and change the outlet list that determines an outlet user’s access to prescribed outlets. The following menu appears:

**Add User:**

Add a user. If the “Add user” option is **NOT** present than the maximum number of users have been assigned. You may get a message saying ‘*No more users can be added*’.

**NOTE:** A new user does not get a password until they are logged in, then type ‘**password**’ at the prompt to add a password to the user.

**Delete User:**

Select this option to delete a user’s access to this unit.

**Rename User:**

Select this option to change the name of a currently assigned user.

**Add Outlet(s)**, adds individual outlets to the user.

**Remove Outlet(s)**, removes individual outlet from the user.

**Add All Outlets**, Adds all outlets to the user.

**Remove All Outlets**, removes all outlets from user.

**Change Outlet Name**

Select this option to change the outlets name.

**Enable/Disable Confirmation**

If the enable/disable feature is disabled, the DS will not ask to confirm the command.

**Enable/Disable Status Menu**

Select this option to enable the Status menu.

**Change Unit ID**

Select this option to change the Unit ID.

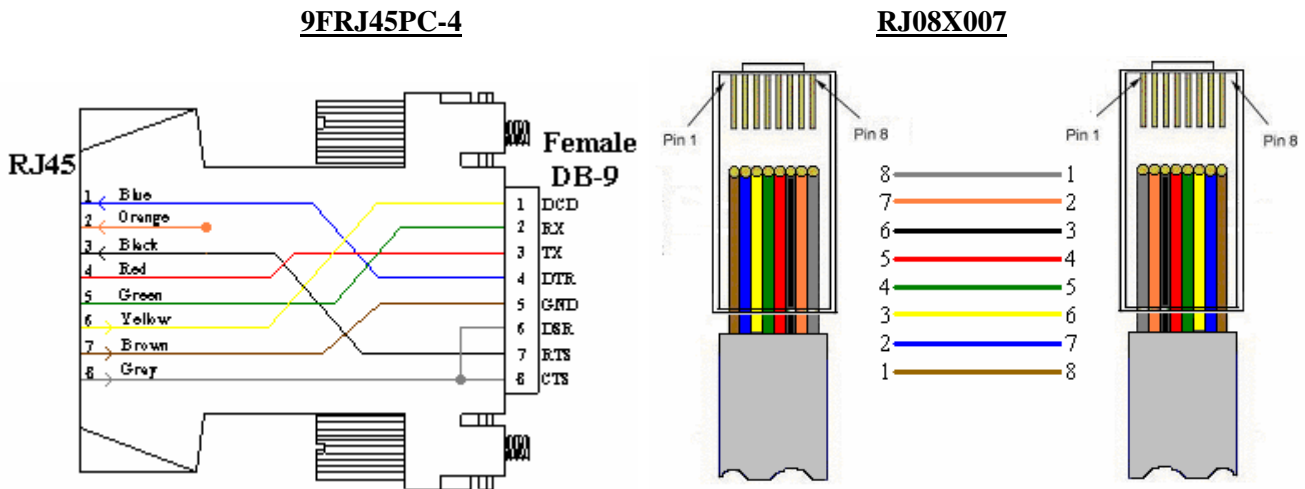
**Change Alarm Threshold**

The Current Alarm Threshold allows the user to set the level of current required to sound the internal alarm. This setting is only available on units with current monitoring circuitry.

# Cabling

## RJ-45 Cables and Adapters

Signal	RS-232 Port (DS)	RS-232 Port (RPC)	COM Port DE-9 Pin	COM Port DB-25 Pin	
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	



Figures 1 and 2 provide visual representation of an RJ-45 receptacle and plug.

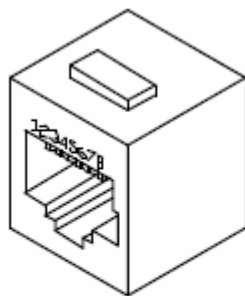


Fig. 1: RJ-45 Receptacle

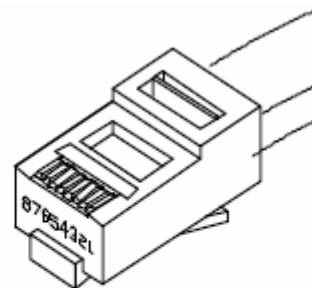


Fig. 2: RJ-45 Plug