# PalmRControl
version 1.1b1
by Rod

Let you to remotely control a vessel using a Palm and a serial connection like Bluetooth, cable, etc.
You can control the vessel in focus or another one external, e.g. a robotic probe controlled from within your spaceship for inspection or repair.
You can switch from one vessel to another, control Retro, Main, Hover, RCS Lin and Rot, the main preprogrammed attitude control (KillPilot, Hold level, Hold Altitude, Prograde, Retrograde, Normal +, Normal -).
You can set the sensitivity on the RCS, and invert the F/B, D/U Linear RCS directions.
The keys may be set in 4key+"5-way navigator" or in the older 4key+Up+Down configuration.
PalmRControl uses the standard aerodynamic control surfaces, if present, for a better control in atmospheric flight, the response sensitivity may be set runtime.
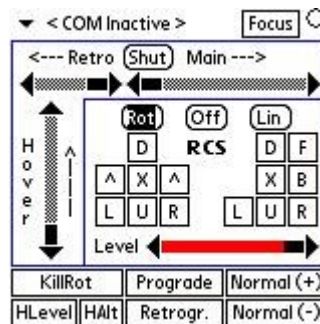

Use the display buttons or the hardware keys to drive the spaceship.
The vessel list let you to set the controlled vessel without change the focused one, this way you may control a robotic vessel from within your one; to set the focus to the selected one press [Focus], the Focused (first person) and the controlled vessels may be different or coincide at your choice.
The (Shut) button shutdown Main, Retro and Hover engines for a fast off.
LED indicator:

|	
WHITE	connection closed
YELLOW	connection closed PC side
GREEN	connection full open
RED	command data coming
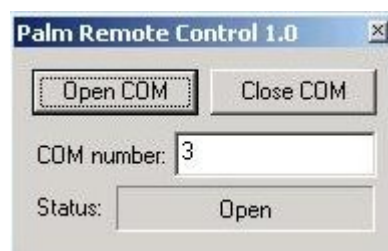
In the Modules dialog set the COM serial port you are using to connect the PC to the Palm

Fast start list

1. Copy PalmRControl.dll in \Orbiter\Modules\Plugin and copy PalmRControl.prc in the Palm
2. Configure your Palm and PC to communicate each other through a serial interface (e.g. Bluetooth). If you are in doubt use HyperTerminal to see the coming control characters from the Palm, close HyperTerminal when finished or the COM serial port will be locked for Orbiter use. Remember the COM serial port you set in the PC, you'll need it in step 5
3. In the Orbiter starter panel select the Modules TAB and Activate the PalmRControl
4. Select your vessel scenario and start it
5. Open the PalmRControl panel (Ctrl+F4), set the COM serial port and open it
6. If not already started it's time to start PalmRCtrl in the Palm; from menu set Preferences as you need and Open the COM connection

That's all, you should be able to control the vessel with your Palm

Preferences
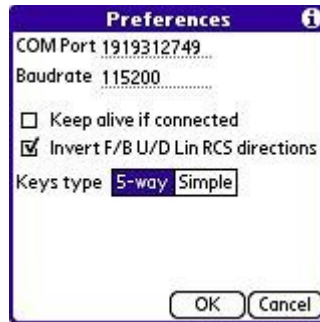
COM Port

Insert the short (e.g. 0) or the expanded number (e.g. 32768)

(0) 32768 Physical HotSync (RS-232 or USB)
(1) 32769 IR port
(2) 32770 Debug console (RS-232 or USB)
(3) 32771 RS-232 cradle
(4) 32772 USB cradle
(5) 1966289464 Cradle port using the 68328 UART
(6) 1966622042 Cradle port using the 68328EZ UART
(7) 1966486832 Specifies the IR port on the upgrade card
(8) 1651794800 Bluetooth Connection virtual
(9) 1769104237 IrDA IRComm protocol virtual
(10) 1919312749 Bluetooth RFCOMM virtual

If the port you wish to use isn't listed here look to the documentation or your device

Keep alive

Avoid power off while COM is open

Keys type

Choice from a 5-way navigator or a simple 4key+Up+Down

Invert directions

Invert F/B and U/D directions in Linear RCS

Installation

PalmRControl.dll
>If you're updating it first disactive the previous one from Orbiter
>Copy it in the \Orbiter\Modules\Plugin directory
>From the Orbiter start dialog select the Modules TAB and activate it

PalmRControl.prc
>Copy it in the Palm as usual

Disinstallation

PalmRControl.dll
>Disactivate it from the Orbiter start dialog Modules TAB
>Remove it from \Orbiter\Modules\Plugin

PalmRControl.prc
>*Normal remove (preferred):*
>>Remove it from the palm launcher menu as any other application

>*Manual remove (expert only):*
>>Erase PalmRCtrl.prc
>>Erase Saved and Unsaved preferences with Creator ID equal to PRCo

Version Info

1.0
>Start release

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Some software function may be regulated by local law, any illegal use is forbidden.

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