These days with the Wi-Fi technologies that are affordable for all of use using the old type of synchronization (cradle or infrared) are ridicules. Wireless connections are faster better protected and EASY to maintain. Hereby is one more simple, short and full with screen capture tutorial form <u>www.wifizard.com</u> or "How-to Sync over Wi-Fi". Enjoy your reading.

Disable Status Repair		
View Available Wireless Networks		WLAN (MyWLAN)
Open Network Connections		Speed: 54.0 Mbps Signal Strength: Very Good
	9	। 🔁 🔂 😳 🕄 🖉 🖬

Now we are starting with Computer configuration.

"Open the Network Connections"

🥞 Networ	k Connections			
<u>Eile E</u> dit	: <u>V</u> iew F <u>a</u> vorites [[ools Advanced	Help	1
G Back	- 🕥 - Ď 🔎) Search 🛛 😥 Fo	olders 🛛 🖾 🏂 🗙 🍫	•
A <u>d</u> dress 🧕	Network Connections			•
Name		Status	Device Name	
LAN or H	ligh-Speed Internet			
₩WLAN .		Enabled, Shared	IEEE 802.11g Wireless 5	
🕹 Local A	Disable		Winbond W89C940-Base	
Local A View Available Wireless Networks		ss Networks	NVIDIA nForce MCP Net	
🕹 1394 C	C Status		1394 Net Adapter	
	Repair			
Wizard	Bridge Connections			
🛐 New Ci	Create Shortcut			
🧟 Netwoi	Delete			
	Rename			
IEEE 802.1	Properties			//.

Then select you WLAN card and open the "Properties" tap.

🚣 WLAN Properties 🔹 🕺 🕺
General Advanced
Connect using:
IEEE 802.11g Wireless 54/108M PCI Adapter
<u>C</u> onfigure
This connection uses the following items:
 Client for Microsoft Networks File and Printer Sharing for Microsoft Networks Retwork Monitor Driver Internet Protocol (TCP/IP)
Install Uninstall Properties
Description Allows your computer to access resources on a Microsoft network.
Sho <u>w</u> icon in notification area when connected
OK Cancel

Select the "Internet Protocol (TCP/IP)" and click the "Properties" tap.

Internet Protocol (TCP/IP) Propertie	s	? ×	
General			
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.			
O <u>O</u> btain an IP address automatical	y		
 Use the following IP address: 	my IP address	٦	
IP address:	172 . 17 . 17 . 100		
S <u>u</u> bnet mask:	255.255.255.0		
Default gateway:	172 . 17 . 17 . 254		
C Obtain DNS server address automatically			
Use the following DNS server add	tresses: Skynet DNS	- II	
Preferred DNS server:	195.238.2.21		
Alternate DNS server:	195.238.2.22		
	Ad <u>v</u> anced	ן	
	OK Canc	el	

If you are using a Router or a Server you are connecting to do not modify you settings. I'm using a hard code IP address because of my home network configuration. You may click now the "Advanced..." button

Advanced TCP/IP Settings		? ×
IP Settings DNS WINS Or	otions	
IP addresses		
IP address	Subnet mask	
172.17.17.100	200.200.200.0	
Add.	Edit	Remove
De <u>f</u> ault gateways:		
Gateway	Metric	
172.17.17.254	Automatic	
, 	E de l	Remove
<u>Aād.</u>		
Automatic metric		
	ОК	Cancel

in the "Advanced..." tap click the Wins nail.

Advanced TCP/IP Settings
IP Settings DNS WINS Options
WINS addresses, in order of use:
t t
Add Edit Remove
If LMHOSTS lookup is enabled, it applies to all connections for which TCP/IP is enabled.
Enable LMHOSTS lookup
 NetBIOS setting Default: Use NetBIOS setting from the DHCP server. If static IP address is used or the DHCP server does not provide NetBIOS setting, enable NetBIOS over TCP/IP.
Enable NetBIOS over TCP/IP
○ Digable NetBIOS over TCP/IP
OK Cancel

It is very important that you are use the "NetBIOS" as the sync is using it to identify your PDA

If you are using DHCP leave the default setting. I recommend you to change to "Enable NetBIOS over TCP/IP"

Click "OK" button to accept the changes.

*we will get to this point later on in the PDA part of the tutorial.

System Properties	<u>?×</u>				
System Restore General Comp	Automatic Updates Remote				
Windows uses the following information to identify your computer on the network.					
Computer <u>d</u> escription:					
	For example: "Kitchen Computer" or "Mary's Computer".				
Full computer name:	k7n.				
Workgroup:	SURLET				
To use the Network Iden domain and create a loca ID.	To use the Network Identification Wizard to join a <u>N</u> etwork ID domain and create a local user account, click Network				
To rename this computer	or join a domain, click Change.				
	OK Cancel Apply				

I will need my computer name later on and here how to obtain it. Use the short cut "windows button + break" or type in MS-DOS prompt "C:\>hostname" as you can see my computer name is "k7n".

After you finish with the network configuration we have to go to the PDA just for a second to setup his name.



Click the "Start" then select the "Settings"



Then click to the "System" nail.



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	About				
	Microsoft® Pocket PC Version 4.20.1081 (Build 13100) © 1996 - 2003 Microsoft Corporation. All rights reserved.				
	This con U.S. and	This computer program is protected by U.S. and international copyright laws.			
	Processor: Intel(R) PXA255 Memory: 57.11 MB				
	Εxμ	Owner:	in use		
	Version	Device ID	Copyrights		
				Ē	≝ ^
in the "	About'	' nail clic	k to the "	Device]	[D" n

🎊 Sett	ings		🛧 9:06 🛛 😡
About			
Your device uses this information to identify itself to other computers. Enter a name that starts with a letter and contains the characters _, A-Z, or 0-9			
Device	name: h	p2210	
Descr	iption:		
United		Consultation of the	
Version	Device ID	Copyrights	
			▲ 🖾

The default name that the PDA has (HP 2210) is "Pocket_PC" and I can tell you the "NetBIOS" don't like this one. For my tutorial I use "HP2210" and I am suggesting you to change you too.

After you made all this we have to setup a partner ship with the PDA. It is composer to do it over a conventional type of connection (IR, Serial or USB) I haven't found a way to bypass this step yet.



Connect the PDA to the cradle and perform a standard partnership setup. click next

New Partnership
Specify how to synchronize data Choose to synchronize with your desktop and/or a server
You can synchronize data, such as e-mail messages and calendar items, between your device and this desktop computer. However, if you have access to a Microsoft Exchange Server with Exchange ActiveSync, you can also choose some information types to synchronize directly with a server, getting the most up-to-date information, even when your desktop computer is turned off. How do you want to synchronize with your device?
• Synchronize with this desktop computer
Synchronize with Microsoft Exchange Server and/or this desktop computer
(Note: You must have access to Microsoft Exchange Server with Exchange ActiveSync or Microsoft Mobile Information Server.)
< <u>B</u> ack <u>N</u> ext > Cancel Help

Live the default option "Synchronize with this desktop computer" then click next

New Partnership	X		
Select Synchronization Settin Select the type of information	Select Synchronization Settings Select the type of information you want to synchronize.		
To synchronize a particular typ synchronization of that informa	be of information, select its check box. To stop ation, clear its check box.		
Mobile Device	Desktop Computer		
AvantGo	AvantGo Channels		
🗹 🛄 Calendar	Microsoft Outlook		
🗹 🔚 Contacts	Microsoft Outlook		
🗹 🛱 Favorites	Internet Explorer		
🗆 🔁 Files	Synchronized Files		
🗹 🏫 Inbox	Microsoft Outlook		
🗆 🌄 Notes	Microsoft Outlook.		
To find out more about and to on that information type in the	o customize what gets synchronized, click <u>Settings</u> e list and then click Settings.		
	< <u>B</u> ack <u>N</u> ext > Cancel Help		

Make you selection as you do it usually. I'm synchronizing only the calendar.

Omicrosoft ActiveSync	
<u>File View T</u> ools <u>H</u> elp	
Synchronize Stop	plore Options
Mobile Device Factoria Mobile Device Delete Partnership	
Get Connected	
Connection Settings	
Close	5
EContacts Sync	hronized

After the Partner ship is made and the PDA is been synchronized for the very first time. Click the "File" menu and select the "Connection Settings…"

Connection Settings
Click Get Connected to connect your mobile device to this computer.
Status: Device connected Giet Connected
Allow serial cable or infrared connection to this COM port:
COM1
Status: COM port is not available
Allow USB connection with this desktop computer. Status: Connected
Allow network (Ethernet) and Remote Access Service (RAS) server connection with this desktop computer.
Status: Network is available
Status icon Show status icon in Taskbar.
OK Cancel Help

The most important is that you enable the "Allow network (Ethernet) and Remote Access Service (RAS) server connection with this desktop"

After the First Sync we can go back to the PDA and just check some of the options there.



Click the "Start" then select the "ActiveSync".

🎊 ActiveSync	😂 📣 11:19	8
hp2210	6	
Not Connected	9	7
🕃 Sync 😒 Stop		
Synchronize with Win Last Sync: 7/21/04 11:1	dows PC 5 AM	
Options		
Connect via IR		

Normally you can hit the "Sync" button and if you have completed all the steps in the beginning of the tutorial you will be able to synchronize.

Else check the "Tools" then "Options..." there may be needed some final settings to setup.

<i>8</i> 7	ActiveS	ync	#	4 × 11:19	•
PC 9	5ynchro	nization			
When syncing remotely with a PC Use this PC:					
K7I	V				•
1🔽	Use mobi	le schedule (to syn	c with this P	C
2 ~	Sync with	this PC dur	ing ma	anual sync	
				Options	
PC	Server	Mobile Sch	edule		
				F	म्म∣▲

It is compulsory the name of your wireless PC that you have established the partner ship is selected in the drop down list. Check you name. Take a look at the "Options…"

🎊 ActiveSync	🔷 🗱 🐟 11:19 - 🚳					
PC Synchronization	PC Synchronization Options					
When cradled Enable PC sync usi	ng this connection:					
`USB	-					
When syncing remo	otely					
1 Maintain connection	Π					
2 Disconnect when d	one					

Hereby the default "Options…"setting. Leave the as they are or change if needed "When cradled" - used only wire connected "Maintain connection" - will flat you battery very rapidly ⁽ⁱ⁾ "Disconnect when done" - is recommended

<i>8</i> 7 (ActiveSync	++ 4 × 11:21	8
hp2	2210		
Sync	hronizing		
@ 5	ync 🚫 Stop	,	
Sync Last S	hronize with Sync: 7/21/04	Windows PC 11:21 AM	
Tools	;	8	≝ -

This is what happened if you are in the perfect world. If you have problems try to run the tutorial one more time and I suggest you that you do it form scratch (or hard resetting you PDA).

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