

Re: network access and WiFi control

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I'm running on a T-Mobile Dash phone, under Settings/Connections/Wi-Fi Settings/Power Mode there is a check box that says "Auto Turn off WLAN if no WLAN or user activities after LCD OFF over:" and then a drop down box for the time. What is used to determine "no WLAN" activity? If I've got a connection downloading a file over the WiFi, shouldn't that be considered 'activity'? Isn't there a call to the system that can indicate that we are using the channel and it should stay up?

Greg

"Paul G. Tobey [eMVP]" wrote:

There's no right answer to this. The device OEM, not Microsoft, decides if the WiFi connection is shut down when the device suspends or not (or if the device can suspend when there is traffic). Certainly, if you are using a 'card' for WiFi (which I'd guess almost everyone is, even if the card is not user-unpluggable), there's little doubt that the card will be powered off when suspend occurs and I suspect that the WiFi driver is either not configured to keep the device on when active or just doesn't support that. If the amount of time you might be 'up' is limited, you can keep the device on by periodically calling SystemIdleTimerReset(). This will also keep the screen on, so that might not be what you're after, exactly, of course.

If you absolutely must have it so that the screen can go dark, etc., but the WiFi has to keep the device from going into full suspend, you're going to need to look at the registry settings for the network adapter and maybe NDIS itself. The documentation may be on MSDN (Windows CE x.x or Platform Builder x.x).

Paul T.