

## Knowledge Base Article

Product Group: Multilog On-Line Systems Product: WMx and WVT devices Version: N/A

## Abstract

Once the WMx/WVT devices have been initially set up to connect to a host computer, all the subsequent host connections updates can be done over a wireless network. The device is required to connect to the server first, so that the new host settings can be propagated to it. USB connection to each device is not required when host settings are updated using a wireless network.

This document shares the method to change host settings for WMx/WVT devices over the wireless network, using SKF Wireless Configuration UtiliIty.

## Overview

The WMx/WVT devices can access the SKF Wireless Configuration Utility over a wireless network only if the basic network settings are already established and the device unit is connected to the network. This feature is useful when making changes to units that are already installed in the field.

I mportant! There are some points to consider when configuring in wireless mode:

- You must wait until the device's next wakeup time to complete the connection.
- > Settings can be changed for one device at a time.
- If you change the network settings and the WMx/WVT unit cannot connect to its existing network or a new network, then communication will be lost and you will have to configure the unit using a USB cable.
- For security reasons, security settings cannot be modified when using wireless configuration.
- When the WMx/WVT units are communicating via the wireless network, they can either connect to the SKF Wireless Configuration Utility or the SKF @ptitude WMx service. You must stop the service before proceeding.



1. Stop the SKF @ptitude WMx Service running on the server machine, where the devices were originally configured to connect to. [Figure 1]

		1.02 2	lete er if	Loni a conto	
- Database	Name	Service	Internal	Connection Title	Hostname
- Database Type - Change Database - User Management - Update Database - Run SQI Script	default	9000	9001	sql_skfuser	USSDGCI
<ul> <li>SKF @ptitude Analyst Configuration Tool</li> <li>General Configuration</li> <li>SKF @ntitude HMI Connection</li> </ul>	•		III.		•
- SKF @ptitude Transaction Service	Add	Edit	Deactivate	Remove	Sync
SKE @ptitude Analyst License Key Manager SKE @ptitude Analyst License Key Manager SKF @ptitude Mkx Service SKF @ptitude Mkx Service SKF @ptitude WMx Service SMTP Settings	<u>N</u> ame: Service <u>p</u> ort: Internal port: <u>H</u> ost	default 9000 9001 USSDGC	ND 130CLGI		Manage
	Connection title:	sql_skfus	ser	*	
	Start	Stop 0	<u>T</u> est	<u>Save</u>	Undo
		100 million (100 m			
	Localhost IP address:	fe	e80::cd6d:b0	ec:6cb1:31fb%12	•

Figure 1: Stop the WMx service

- 2. To access the SKF Wireless Configuration Utility in a wireless mode:
  - Launch SKF Wireless Configuration Utility and select the 'Configure using wireless link' option and click the 'Start' button.
  - Use the same port which is being used to connect to the devices. [Figure 2] The service port is usually noted in the SKF @ptitude WMx Service secton inside the SKF @ptitude Analyst Configuration Tool.



	Copyright (C) I con Besearch I td 2004-11
	ifiguration Options
C	Configure using USB cable
C	Configure using serial cable Serial port: Comm Port 3
c	Configure using wireless link TCP port: 9000
C	Configure offline

Figure 2: Configure using wireless link

3. The SKF Wireless Configuration Utility dialog opens. The serial number of each detected WMx/WVT unit appears in the 'Wireless Devices Detected' on the top left. [Figure 3]

/ireless Devices Detected (Double Click to Select)	Network Settings	
wWib SN 00-C0-18-0C-DE-08 [WMx04A.00-C0-18-0C-DE-08] WWb SN 00-C0-18-0E-67-5A [Scott's WMx Device]	Obtain an IP Address Automatically     Use the Following IP Address	
centiguration File Load Save Factory Defaults	IP Addres:         192.168.101.250           Submet Mask:         255.255.0           Default Gateway:         192.188.101.1	
Vireless Device Configuration Name: V/Mx04A:00-C0-18-0C-DE-08 Secial Number: 00-C0-18-0C-DE-08	Host Server Host IP: 192-168.3.135 Host Pot: 9000	
Device Type: WMx04A Board Issue: 0703E_8M	Wireless Network	
WLAN Card: P300	Structured Network (Access Point)     SEID: [cvrcs.rcsp]	
Protocol Version: 1.2	Channel: Assigned by Access Point	
Battery Level: EXT	Status: Connected to Host	
Logging Enable: 🗖	Link Quality: 69	
Clock: 10:39:56 Set to 27/Jun/2014 Computer Clock	Signal Level: -53 dBm Noise Level: -122 dBm	
Wakeup Control Enable Wakeup: Intervat 00 hrs: 01 mine	Security: WPA2-PSK Make Changes	
Next Wakeup		
Network I die Timeouts Network Timeout On: V Timeout after 2 mins idle		
Node Select		
Edit Test Reconnect Settings Connection To Host		

Figure 3: List of connected devices



4. To view the configuration settings for a unit, highlight it in the list. [Figure 4] This list allows only one device selection at a time. On selection of the device, related host details are displayed in the middle section of the utility.

/ireless Devices Detected (Double Click to Select)	Network Settings	Log
w/Vib SN 00-C0-18-0C-DE-08 [w/Mx04A:00-C0-18-0C-DE-08]	Obtain an IP Address Automatically	
wime an order and a second state (Scott's WMx Device)	C Use the Following IP Address	
	10.11	
Configuration File	P Address: [132,158,3,20	
Load Save Factory Defaults	Default Gateway: 192.168.0.27	
Wireless Device Configuration	Host Server	
Name: Scott's WMx Device	Host IP: 192.168.3.135	
Serial Number: 00-C0-18-0E-67-5A	Host Port: 9000	
Device Type: WMx04A	A Grahese Maturali	
Board Issue: 0703E_8M	C Ad-hoc Network (Peer-to-Peer)	
WLAN Card: P320	Structured Network (Access Point)	
Firmware Version: 01.01.26	SSID: SKFCMCSD	
Protocol Version: 1.2	Channel: Assigned by Access Point	
Battery Level EXT	Status: Connected to Host	
Logging Enable 🗖	Link Quality: 42	
Clock: 00:18:04 Set to	Signal Level: 60 dBm	
01/Jan/2008 Computer Clock	Noise Level -96 dBm	
Wakeup Control	Security WPA2.PSK Make Changes	
Enable Wakeup: 1	county prime role of angle	
Next Wakeup:		
Network Idle Timeouts		
Network Timeout On: V Timeout after 5 mins idle		
Mode Select		
Tel Tel Derman		
Settings Connection To Host		



 Change the Host IP and set the new server's IP as the new Host IP. You can also change the Host Port (if necessary) based on the WMx service settings on the new server. After changing the setting, click 'Reconnect to Host' button at the bottom. [Figure 5]

Wireless Devices Detected (Double Click to Select) WWM SN 00-C018-0C-DE-08 [WMM044:00-C018-0C-DE-08] WMX SN 100-C018-0E-52-54, [Scott's WMx Device]	Network Settings     Otbain an IP Address Automatically     Use the Following IP Address	- Log
Configuration File     Load Save Factory Defaults     Wreters: Device Configuration     Name: Scott: With Device     Senial Number:     00:0018/06.675A	IP Addrest:         132,168,3,20           Subnet Mask:         265,255,255,01           Default Gateway:         132,168,0,27           Hoat No. Server         132,168,3,136           Hoat PP         132,168,3,136           Hoat Pot:         13000	
Dovice Type:         WMM04A           Board Itsue:         O7705E_944           WLAN Card:         P320           Firmware Venizer:         [010126]           Protocol Venizon:         1.2           Battery Level:         EKT           Logging Enable:         [C           Oto:         [0118.26]           Orderscore         Computer Clock.           Verlaup Control         Enable Weitrag:           Enable Weitrag:         [00]           Inferval:         24           Neet Wakeup:         [00]	Wirders Network.           C Addro Network. [Peers to Peer]           C Structure Network. [Access Point]           SSID: [SKFCMCSD           Dharmet         Assigned by Access Point           Status:         Connected to Host           Link Quadry.         R2           Signal Levet         §80 Bm           Network Encopsion         Nate Levet           Security.         WPA2PSK           Make Changes	
Network Treneout Ont Timeout after 5 mins ide		Dear Seve Pause

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6. This will propagate the new host server settings to the WMx/WVT device on its next connection. On receiving the new settings the device will stop connecting to this server, and disappear from the list. [Figure 6]

5 SN 00-C0-18-0C-DE-08 (WMw044, 00-CD-18-0C-DE-08) juration File	Obtain an IP Address Automatically     Use the Following IP Address	
juration File	C Use the Following IP Address	
guration File		
guration File	IP Address: 192.168.101.250	
	Subnet Mask: 255.255.255.0	
Load Save Factory Defaults	Default Gateway: 192.168.101.1	
sss Device Configuration	Host Server	
e: WMx04A:00-C0-1B-0C-DE-08	Host IP: 192.168.3.135	
al Number: 00-C0-18-0C-DE-08	Host Port: 9000	
ce Type: WMx04A	Aufinetana Makunada	
d Issue: 0703E_8M	C Ad-hoc Network (Peer-to-Peer)	
N Card: P300	<ul> <li>Structured Network (Access Point)</li> </ul>	
ware Version: 01.01.28	SSID: SKFCMCSD	
ocol Version: 1.2	Channel: Assigned by Acce	ss Point
ay Level: EXT	Status: Connected to Hos	
ging Enable: 🗖	Link Quality: 6	
k: 10:44:39 Set to	Signal Level: 5	3 dBm
27/Jun/2014 Computer Clock	Noise Levet	22 dBm
keup Control	Cascalus V/DA3 DCK	
ble Wakeup:	Security, INFACTOR I Make C	langes
val: 00 hrs : 01 mins		
Wakeup:		
work Idle Timeouts		
work Timeout On 🔽 Timeout after 🔽 mins ide		
Colori		

Figure 6. Refreshed list

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For further assistance, please contact the Technical Support Group by phone at 1-800-523-7514 option 8, or by e-mail at <u>TSG-CMC@skf.com</u>.