Conectar equipos de radio frecuencia

Digi Xpress Ethernet Bridge 1 Ap para 1 SU





Para que la siguiente configuración, es requisito haber configurado el Digi Wan 3g según el <u>Basic Script Digi</u>



 Antes de comenzar con la configuración, debe insertar la Sim al dispositivo Digi, estando éste apagado.



Asegúrese de que en la Sim Card esté desbloqueado el código Pin, de estar con bloqueo Pin, es posible incorporar el codigo en la programación, para que el aparato Digi desbloquee la Simcard.

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El equipo Digi <u>DEBE</u> tener conectada la antena celular antes de conectarlo a la red eléctrica, por 2 razones importantes:

1) El módulo de comunicación se puede quemar.

2)Será imposible que se logre un registro con la red

Una vez conectada la antena, puede energizar el equipo



Para este caso, conectar el Digi Xpress entre un Dispositivo y un Digi Wan 3g



Con esto consigue recibir datos, imágenes, video, audio, etc. Desde un PC a un equipo Digi Wan 3g hasta un dispositivo TCP/IP, como se ve en el ejemplo.

ConnectPort® X2

Antes de incorporar a la conexión los equipo de radio frecuencia (*Digi Xpress Ethernet Bridge*) debe comprobar que existe comunicación punta a punta, para descartar fallas anteriores.

También cabe destacar que este equipo de radio frecuencia puede transmitir datos de 300 m, (en un entorno cerrado con antena de 2.1 dBia) hasta 24 Km (con una antena de alta ganancia en espacios abiertos).

- El primer paso es armar el *Digi Xpress Ethernet Bridge*, con sus respectivas partes.
- Luego conectarlo directamente al Pc a través del cable ethernet, o en su defecto, directo al router de nuestra Lan.
- A continuación dirigirse a la pagina web de Digi para descargar la aplicación *Digi discovery Utility,* puede hacer directamente en la siguiente dirección:
- http://www.digi.com/products/wireless/xpre ss.jsp#docs.



Diagnostics, Utilities and MIBs General Diagnostics, Utilities and MIB Digi IP Discovery Changer Utility for XPress ver. 1.7 Battery Life Calculator Al hacer click, la 📜 changer_digi (2).zip descarga comienza automáticamente

Al abrir la aplicación, automáticamente debe aparecer el *Digi Xpress Ethernet Bridge* detectado, de no aparecer, puede clickear en *Search* para actualizar la búsqueda de dispositivos.

Si realiza los pasos antes mencionados y no da resultados asegure que esté todo correctamente conectado.

Cuando tenga resultados, debe aparecer algo similar a la siguiente figura:

IP Discovery	Changer Util	lity v1.7 (De	c 3 2008) 💶 🔼					
Dig	B	Devices on the local network will appear in the list below. Double-click a device to change its IP address. Click 'Search' to clear the list and search for devices.							
			Search						
MAC Address	IP Address	Gateway	Netmask	HTTP Port					
00:21:74:03:41:11	192.168 X.X	0.0.0.0	255.0.0.0	80					
00:21:74:03:41:12	192.168 X.X	0.0.0.0	255.0.0.0	80					
J				WINGINGS I					

Si se trata de más de 2 *Digi Xpress Ethernet Bridge* guíese con la otra presentación que explica los pasos

correspondientes.

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De fábrica, el par de *Digi Xpress Ethernet Bridge*, vienen listos para su incorporación al sistema, quiere decir que su configuración interna está hecha para conectarse con el partner, siendo uno el Ap (Acces Point) y el otro el Su (Suscriber Unit).

Designar un equipo como AP, quiere decir que es el punto de acceso para las demás SU. O mas bien, "unidades suscritas".

Change Parameters

PC Primary Network Interface Parameters:	Help							
Realtek PCIe GBE Family Controller - Minipuerto de	'Apply' will update the parameters in the target device.							
IP Address: 192.168.1.192	If you do not know the default gateway, then set it to '0.0.0.0'							
Default Gateway: 192.168.1.6	If you do not know the network mask,							
Network Mask: 255.255.255.9	then set it to '255.0.0.0'							
Target Device Current Parameters:	Target Device New Parameters:							
IP Address: 192.168.1.46	IP Address: 192 . 168 . 0 . 0							
Default Gateway: 192.168.1.6	Default Gateway: 0 . 0 . 0 . 0							
Network Mask: 255.0.0.0	Network Mask: 255 , 0 , 0 , 0							
MAC Address: 00:21:74:03:41:11	Password: password							
	Go to Device Web Page Cancel Apply							
Haciendo click aguí r	puede							
dirigirse a la página v	web							
para configurar y ve	Procionar Apply							
datos más avanzado	os. No							
podrá entrar si la IP o	del cambios							
equipo RF no es rele	evante							
a gateway de su red.	Witeless & Mobile Techno							

Asignar una IP dentro de los mismo segmentos que la de su red. Los equipos no deben tener la misma IP.

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Asignar la gateway que desee. Para este ejemplo no es necesario asignarla.

Y la máscara debe ser similar para ambos equipos

La contraseña es "password" por defecto, una vez ingresando a la pagina web es posible modoficar este parámetro.

//															12	
Refresh Now Every 10 sec	<u>w.digi.com/support</u>	Information	Device Type: Subscriber Unit	Subscriber ID: 1	Current RF Channel: 1	RF Connected: Yes	Radio Active: Active	Product Code: 4	Radio Version: 3	Radio Firmware Release: 084			Value		inel Mode Channel Mode (1-6)	
).4259 21:74:03:41:11 Mbps Full Duplex ays OOh 42:50	FAQ available at <u>ww</u>	Device												password	 Automatic Chani 0 0 Manual C 	
Version: 1.6C MAC Address: 00:2 Ethernet: 10 A Uptime: 0 da	Need help? Online		-26 dBm	0.0 %	2452	-	2451	976	1476	164 bytes	164 bytes		Description	Password:	Channel:	
Dg		atistics	Radio RSSI:	Radio Block Error Rate:	Radio Total Packets:	Radio Failed Packets:	Radio Passed Packets:	Radio Broadcast Packets:	Radio Unicast Packets:	Radio Average TX Size:	Radio Average RX Size:	vice Settings		Device	RF	
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Es recomendable **no hacer modificaciones en los parámetros**, a no ser que tenga problemas con la conexión entre el par una vez hecha las pruebas.

Para las configuraciones avanzadas debe avanzar hasta el final de la pagina, donde se encontrará con el siguiente cuadro, donde podrá entrar para realizar cambios de AP, SU, Encryption, entre otros.

Advanced Links	Una vez configurado el
Warning! These links are only for use by advanced users! Please proceed with caution.	Dispositivo por el
Advanced Admin	técnico especializado de
Fast Spectrum Scanner	Digi, el usuario no debe
	entrar a modificar estos
	parámetros.
wan	
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Teniendo configurado todo lo antes mencionado, el *Digi Xpress Ethernet Bridge* está en condiciones de trabajar sin problemas.



Ante Cualquier inquietud, no dude con comunicarse con nosotros

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