



V.2 – November 2016

Connecting to the mc-Demo205 via USB

- 1) Remove the blue jumper from the mc-Demo205 device (Fig A). Connect the mc-Demo205 to your PC via USB cable (Fig B).

Fig A.



Fig B.



- 2) Open mc-Studio and select 'Devices' from the 'Tools' menu. From there, select the TestboardGateway and press connect:

UId	Name	GwVersion	LpLanVersion	IpAddress	Type	IsConnected
00.00.FF.E0	Virtual Gateway	0.8-52		10.2.2.104	VirtualDevicesGateway	Connected
00.00.FF.C0	Testboard Gateway	0.8-520	0.8-520	10.2.2.104	TestBoardGateway	
00.01.09.0C		0.6-353	0.7-403	10.2.2.105	mcGate110	
00.01.0F.84		0.6-362	0.7-415	10.2.2.138	mcGate110	
00.01.0F.85		0.6-362	0.7-413	10.2.2.130	mcGate110	
00.01.09.01		0.6-362	0.7-415	10.2.2.122	mcGate110	

UId	Name	Type	Version	IsLpLan	CodeSize	ProgramDate	Rssi	BeaconData	Last Beacon	IsConnected
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- 3) After you are connected to the TestboardGateway, you then need to power the device by putting the blue jumper onto the power pins.
- a. To power via USB, ensure that the jumper is placed onto the USB pins (Fig C.)
 - b. To power via battery, ensure batteries are installed into the device and place the jumper onto the BATT pins (Fig D.)

Fig C.



Fig D.



- 4) Within 5-10 seconds, the device will show up in the 'Device Menu' in the Device Maintenance and Connection window:

The screenshot shows a window titled "Device Maintenance and Connection" with three tabs: "Gateway Config", "Gateway can't be Disconnected", and "Connect Device". The "Connect Device" tab is active, and a status bar on the right indicates "Connected Device: (00.00.FF.00)". Below the tabs is a table with the following data:

UId	Name	GwVersion	LpLanVersion	IpAddress	Type	IsConnected
00.00.FF.E0	Virtual Gateway	0.8-520	0.8-520	10.2.2.104	VirtualDevicesGateway	Connected
00.00.FF.C0	Testboard Gateway	0.8-520	0.8-520	10.2.2.104	TestBoardGateway	Connected
00.01.09.0C		0.6-353	0.7-403	10.2.2.105	mcGate110	
00.01.0F.84		0.6-362	0.7-415	10.2.2.138	mcGate110	
00.01.0F.85		0.6-362	0.7-413	10.2.2.130	mcGate110	
00.01.09.01		0.6-362	0.7-415	10.2.2.122	mcGate110	

Below this table is another table with a different set of columns:

UId	Name	Type	Version	IsLpLan	CodeSize	ProgramDate	Rssi	BeaconData	LastBeacon	IsConnected
00.01.1E.19		0	0.7-364	0	0	2016-10-11 11:41:02	0		2000-01-01 00:00:00	

- 5) Click Connect Device on your mc-Demo205. You will see that the device is listed as 'Connected' and then you will be able to debug or load programs onto the device itself. Refer to the mc-Demo205 product specification document and mc-Script guide (both available on the mc-Things website) for examples and features/functions.