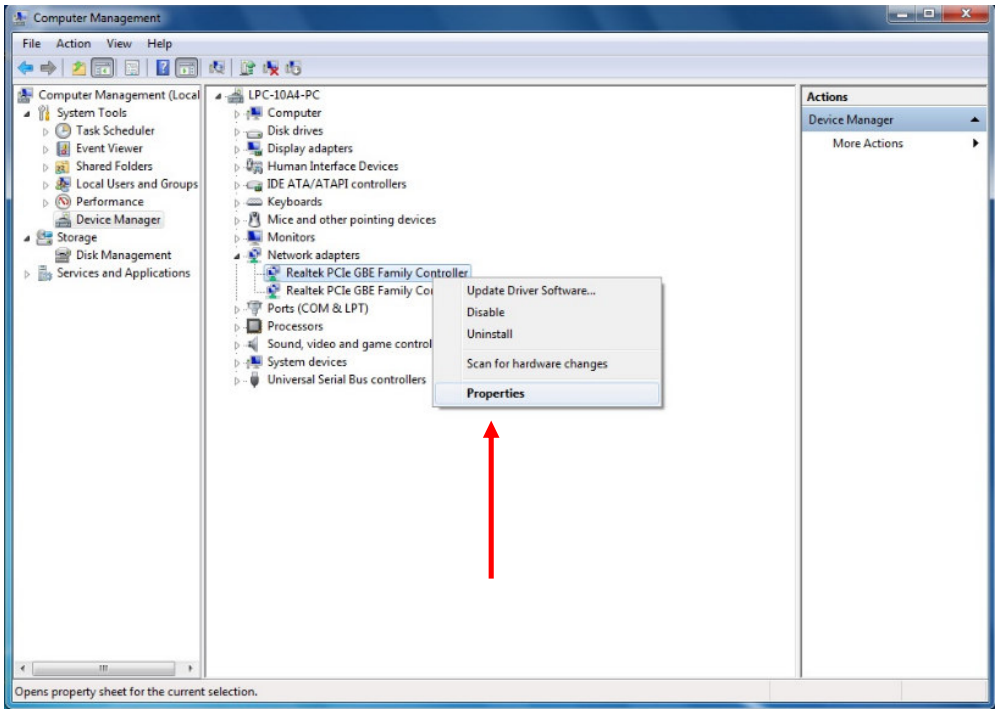
FAQ / Application Note

Subject : How to setting Wake ON LAN function for ECM-A50M	
FAQ Document No: H13011	**Date: 2012/04/23**
Model Name. ECM-A50M,ERS-A50M,EPC-A50M, ASM-A50M	**Rev. A1**
Category: ☐General ■H/W ☐S/W ☐Others, I/O interface	
Purpose: To clarify how to setting and testing Wake ON LAN function for ECM-A50M.	

Please setup test environment as below:

1. **Target device: AMD A50M chipset board or system.**
   - **1-1 Setting OS: Windows 7 Professional SP1**
   - **1-2 LAN driver: Realtek RTL8111E v7.27.920.2010 for Windows 7**
   - **1-3 setting:**

     Open Device manager→Network adapters→ Realtek PCIe GBE Family Controller →Properties→Advanced→ Wake ON Magic Packet → Enable



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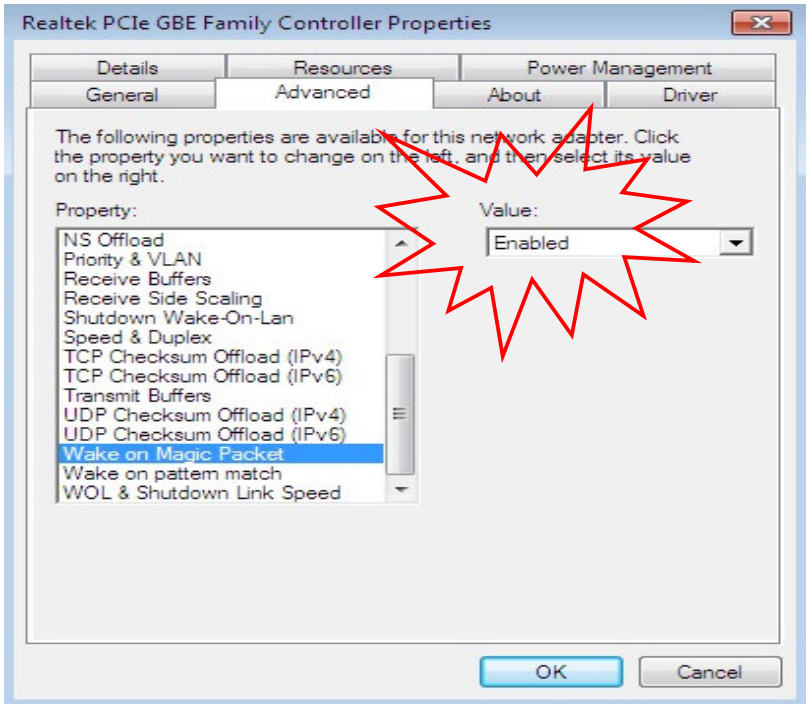
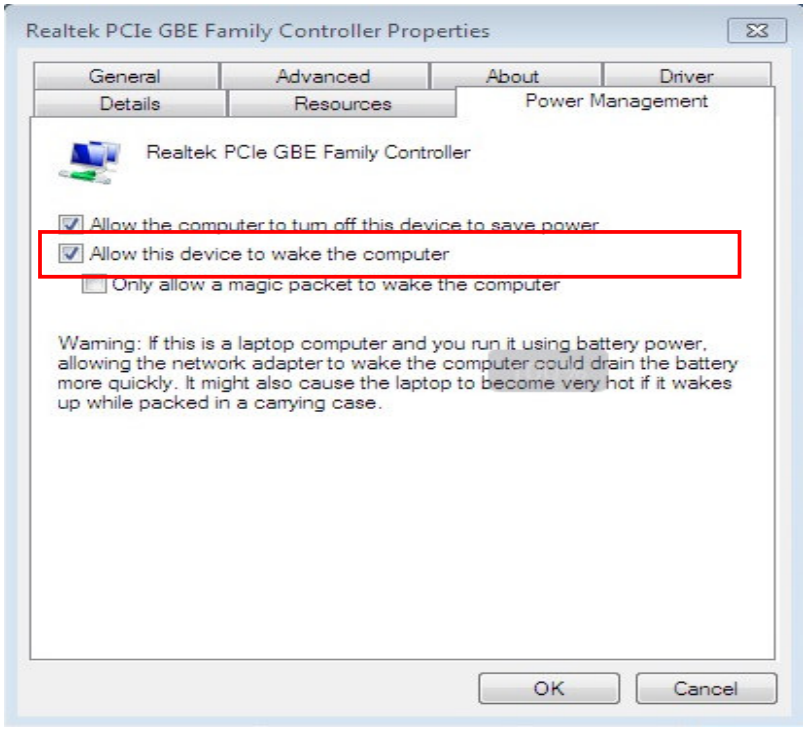


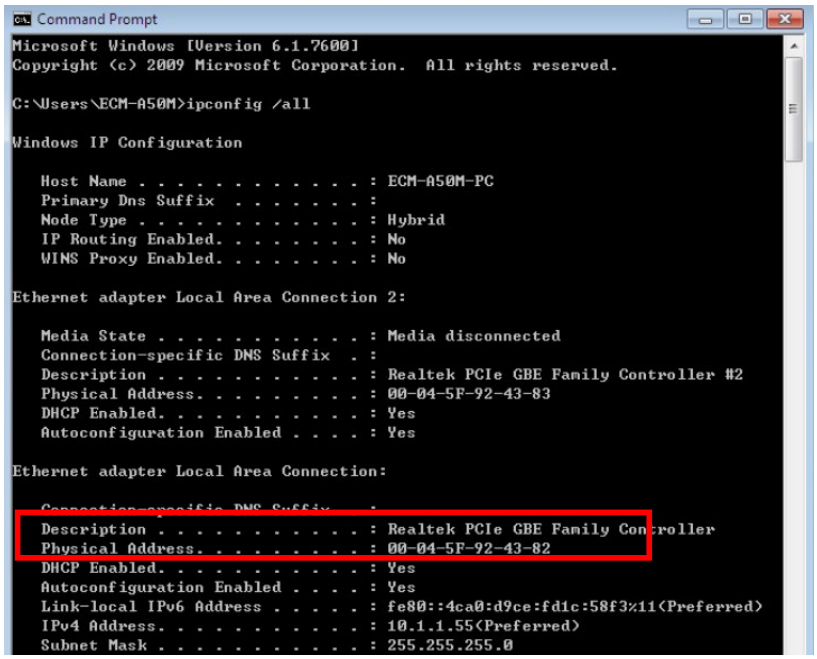
Power Management→ Mark "Allow this device to wake the computer"



1-4 Get LAN1 Physical Address(as MAC address) from "Command Prompt".

Key command: ipconfig /all

ex. Physical Address: 00-04-5F-92-43-82



1-5. Make sure Ethernet function working normally of LAN1.

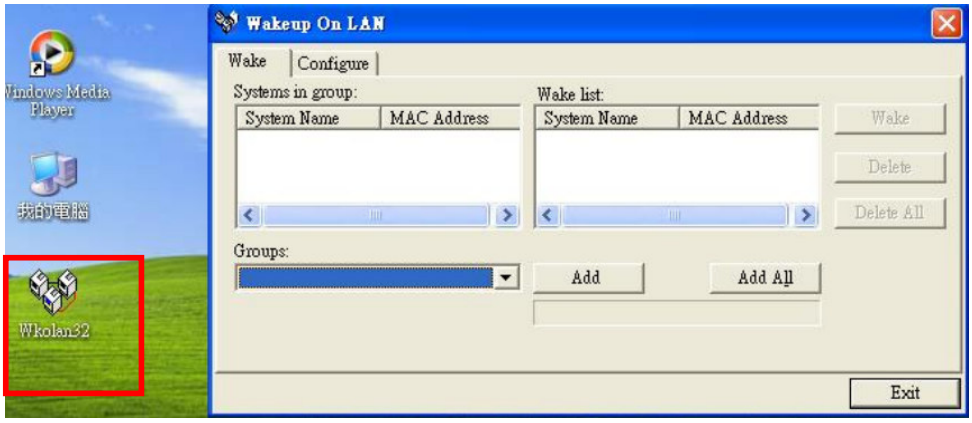
2. Control Device: EBM-945GSE board.

2-1 Setting OS: Windows XP Professional SP3

2-2 LAN driver: Realtek RTL8111C v.5.724.423.2009 for Windows XP.

2-3 Setting: Make sure Ethernet function working normally of LAN1.

2-4 Copy Wakeup On LAN tool: Wkolan32.exe to desktop.



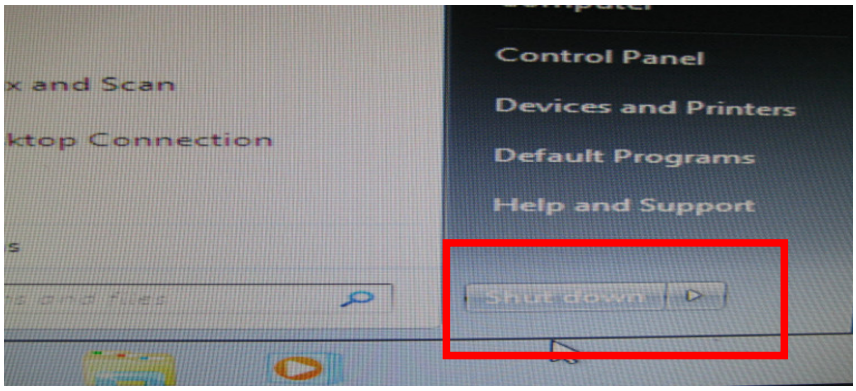
3. Test procedure:

3-1 Target device LAN1 and control device LAN1 are connected to same Network Hub.

3-2 Target device is ATX boot mode(it's need Press Power button)

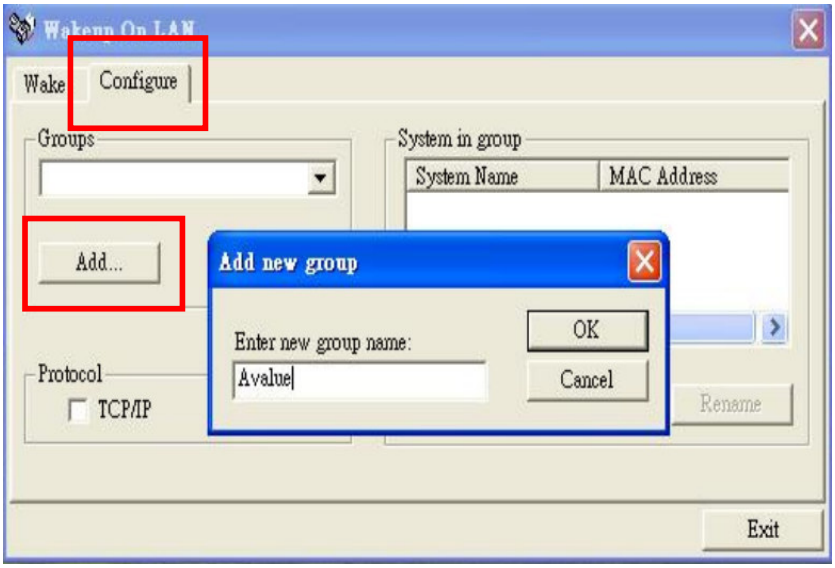
3-3 Power ON Target device into Widows 7

3-4 Select "Shut Down" Target device

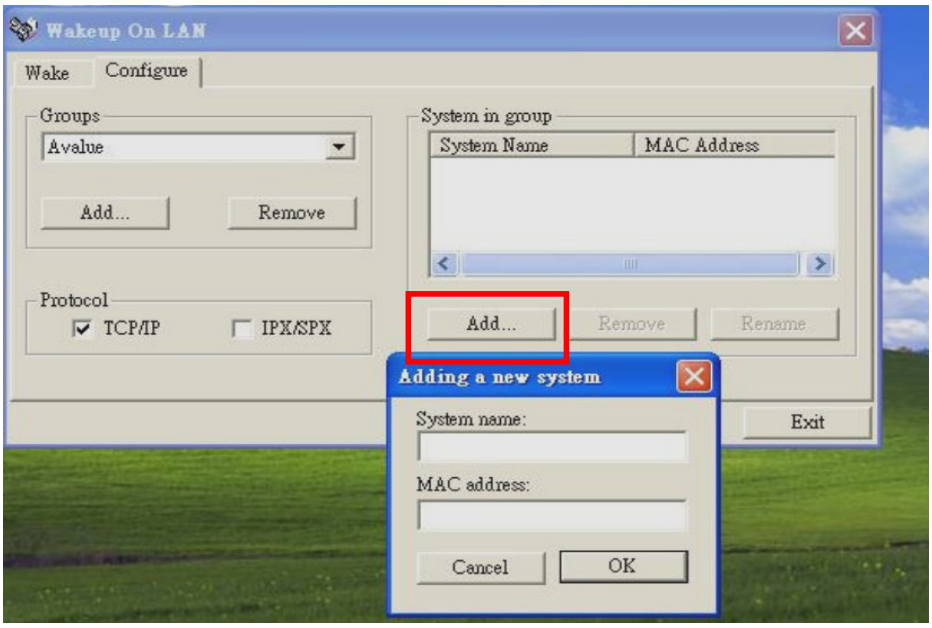


3-5 Execute Wkolan32.exe tool in Control device.

Configure→ Add→ Add new group → Enter new group name(ex. Avalue)

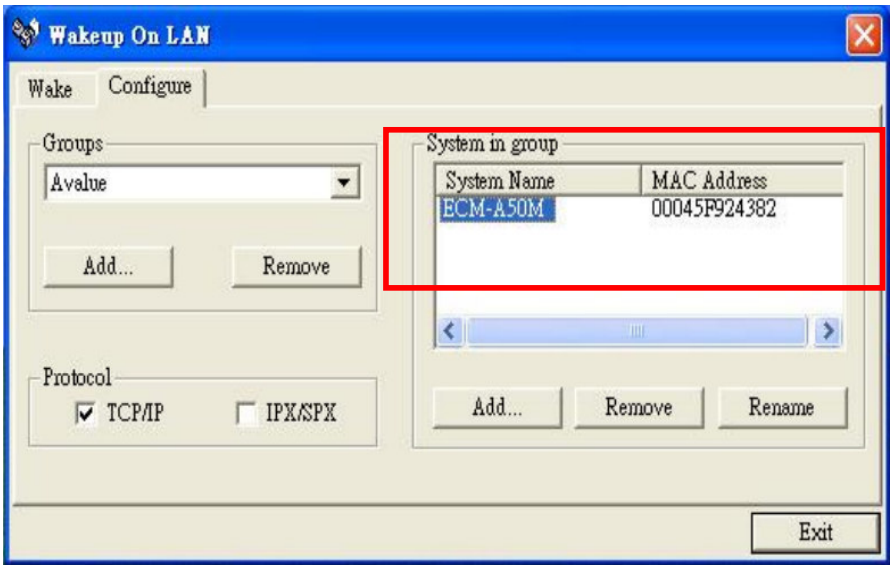


Configure→ Add→ System in group

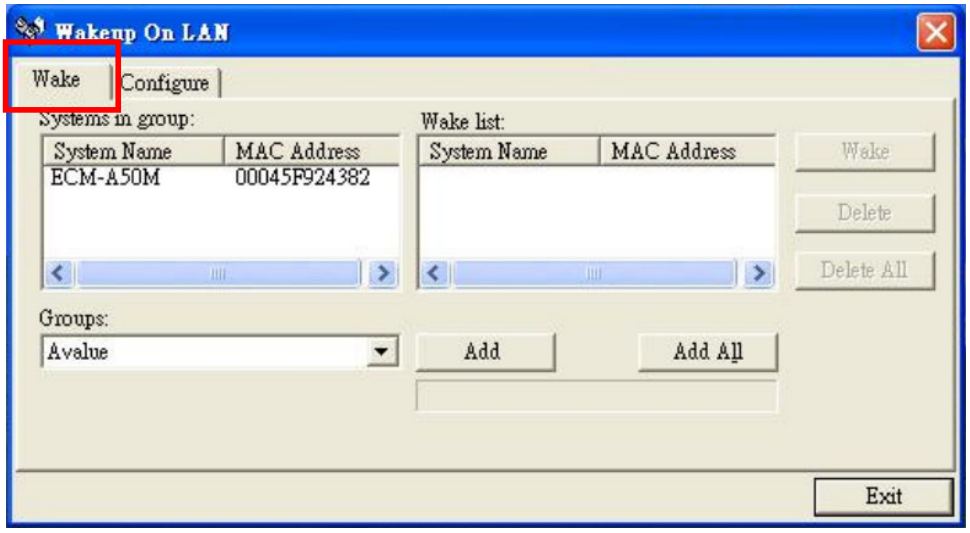


Type: System name: ECM-A50M, MAC Address: 00045F924382 (Target device information)
Click "OK" Button.

You will see Group information as below:



Click "Wake", "System in group" has appeared target device information automatically.



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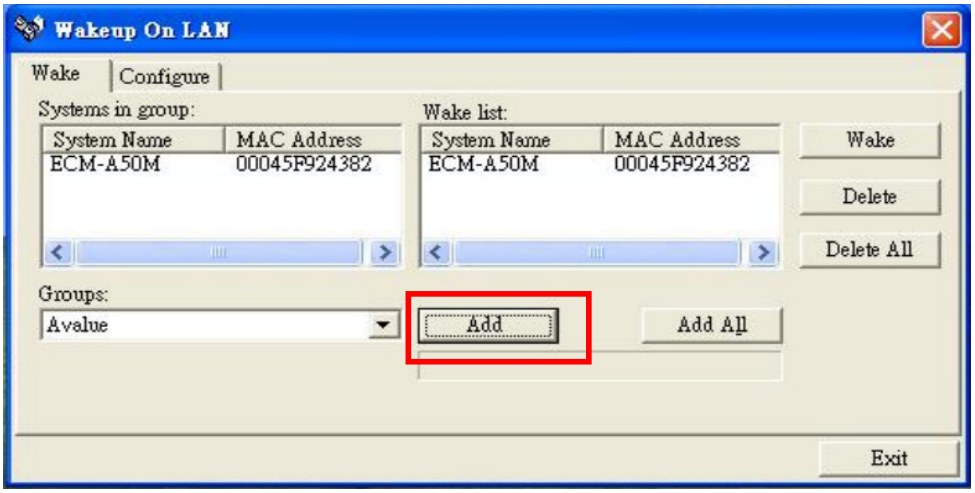
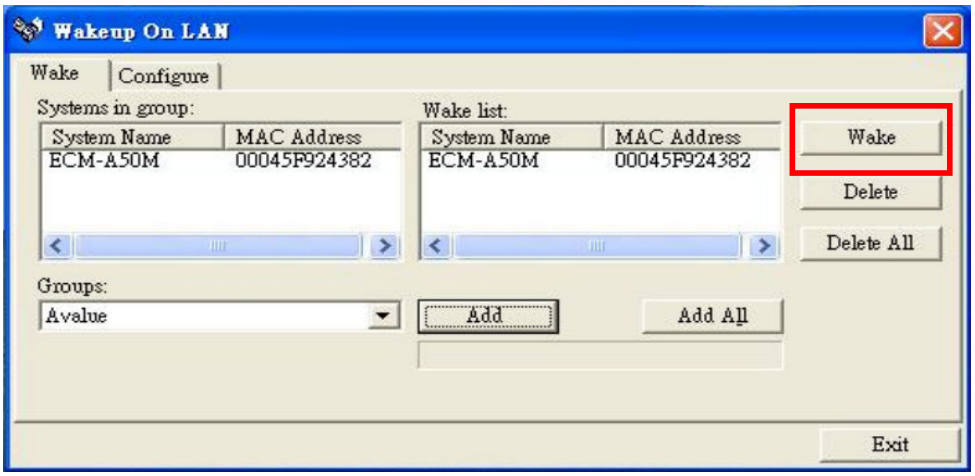
Select Wake list, Click "Add"



Click "Wake"



Target device (AMD A50M board) will been woken up by the control device (EBM-945GSE) successfully.

-END

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