

# Arduino Example Code User Guide

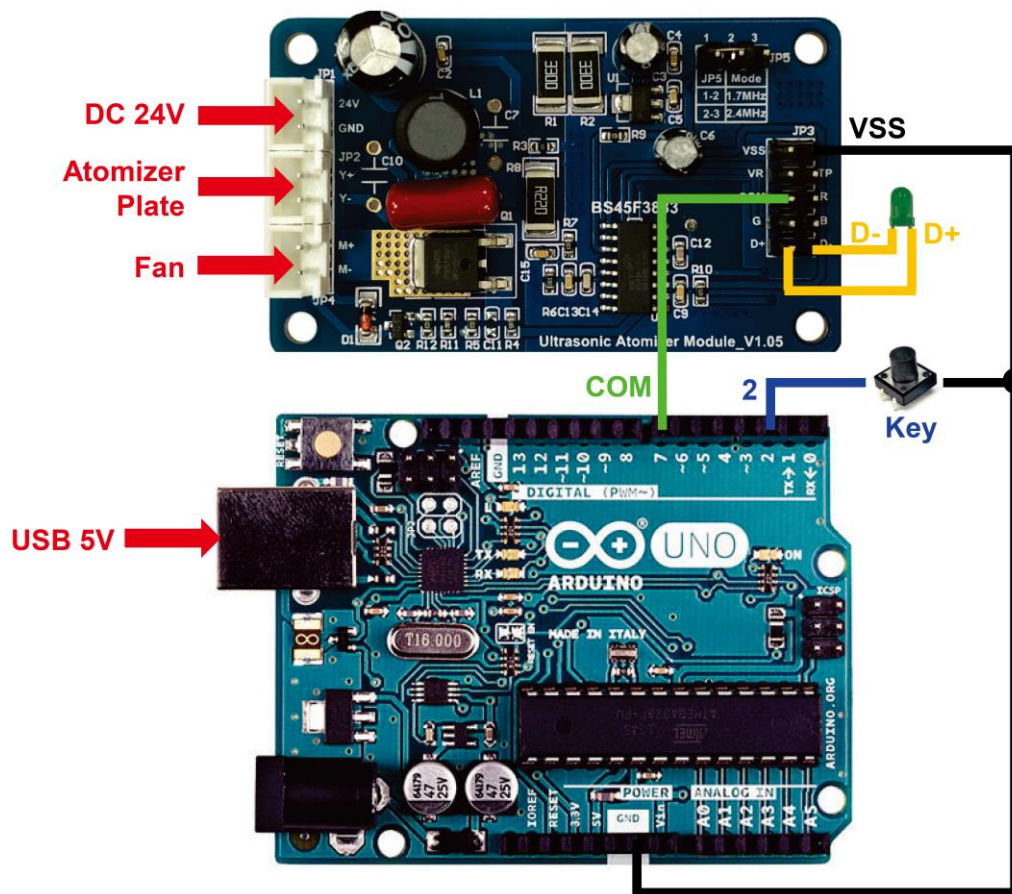
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## Arduino Application Note

This application uses Arduino UNO R3 platform as the host and controls the power of the module BMZ00040 using 1-wire bus communication.

### Wire Connection

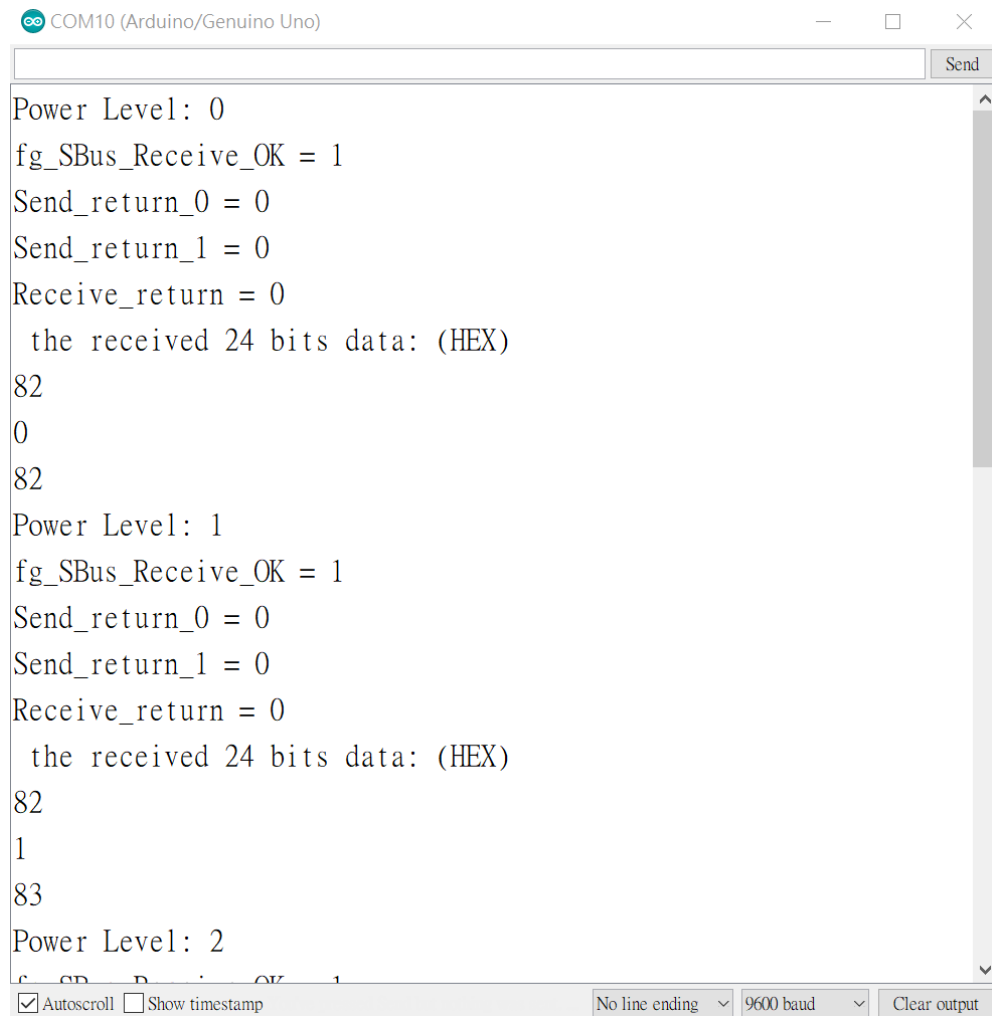


It is recommended to supply power to these two boards in sequence. Do not power them up at the same time to prevent any possible conflict.

## Functional Description

Press the key to switch the atomization power level with the loop sequence  
OFF → Level 1 (6W) → Level 2 (8W) → Level 3 (10W) → OFF...

In the serial monitor, we print out some variables and the received 24-bit data each time the key is pressed.



```
COM10 (Arduino/Genuino Uno)
Power Level: 0
fg_SBus_Receive_OK = 1
Send_return_0 = 0
Send_return_1 = 0
Receive_return = 0
the received 24 bits data: (HEX)
82
0
82
Power Level: 1
fg_SBus_Receive_OK = 1
Send_return_0 = 0
Send_return_1 = 0
Receive_return = 0
the received 24 bits data: (HEX)
82
1
83
fg_SBus_Receive_OK = 1
```

Autoscroll  Show timestamp No line ending 9600 baud Clear output