

Advantech AE Technical Share Document

Date	2015/9/18	SR#	1-2236848232
Category	■ FAQ □ SOP	Related OS	NA
Abstract	Keep Last DO Status After Boot Up in Advantech DAQ card		
Keyword	DO Status, Keep Last Status, Advantech DAQ, Digital Output		
Related Product	PCI-1730, PCI-1730U, PCI-1750, PCI-1752, PCI-1752USO, PCI-1756, PCI-1757UP, PCI-1758UDIO, PCI-1758UDO, PCI-1761, PCI-1762, PCIE-1730, PCIE-1751, PCIE-1752, PCIE-1753, PCIE-1756, , PCIE-1810, PCIE-1816, PCIE-1816H, MIC-3756,		

■ **Problem Description:**

In some situation the DI channel status should be kept the same as the last status does to avoid anything unsafe action happen for example. This SOP will show how to set Advantech DAQ card to keep the last status when boot up the system.

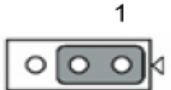
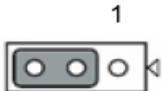
■ **Brief Solution - Step by Step:**

1. In device settings, check “No” for “Initialize device at driver loading”.
2. Choose the select device mode as below, *ModeWrite* is to load your last status from system registry.

```
C#
instantDoCtrl1.SelectedDevice = new DeviceInformation(18, "PCIE-1810,BID#5", AccessMode.ModeWrite, 0);
```

```
C++
DeviceInformation devInfo(deviceDescription);
devInfo.DeviceMode=ModeWrite;
ret = instantDoCtrl->setSelectedDevice(devInfo);
```

3. Set the jumper on board(refer to User Manual)

Table 3.2: Power on Configuration after Hot Reset (JP1)	
JP1	Power on configuration after hot reset
	Keep last status after hot reset
	Default configuration (Default setting)

■ **Reference:**