

How to Flash EEPROM to AIC3254 EVM.

- 1. Download and install AIC3254EVM-U CS: http://www.ti.com/lit/zip/slac349
- 2. Right click the AIC3254 CS icon on your desktop and run as admin.
- 3. Connect the EVM.
- 4. Go to Tools > EEPROM Manager.
- 5. Create a new .eeprom file. (See the .eeprom file configuration below).
- 6. In EEPROM Manager, click File > Open Image File. Select the .eeprom file.
- 7. Follow 2, 3 and 4 in the image below.

EPROM S	cript Manager Information	
EEPRON App Num	1 Script Manager Number of Apps: 3	8
0 🖨	Script Name Type	*
	Application Name Boot Application Number of Scripts 1 1 WRITE APPS TO EEPROM NOTE: Wait until Activity LED turns off o Main Panel	USB Firmware Settings USB Firmware Settings I25_ENABLE 3-state capability SPL SELECT enable I Load App 0 Main Script at power-up Extended memory support WRITE SETTINGS READ SETTINGS n the
Code Siz		

.eeprom file configuration.

The following code must be configured in a text editor. This application corresponds to the boot application or application 0. The script data of this application will configure the registers once the EVM is turned on.

```
[EEPROM]
                          Total of Applications Size.
EEPROM.Size = 3 ←
[App0]
App0.Name = "Boot Application"
App0.Size = 1
                                                   Application parameters
                                          \leq
App0.Script0.Name = "Beamforming App"
App0.Script0.Data =
{
# Script code
# w 30 00 01 -> w (write) 30 (I2C address) 00 (Register number) 01 (Register value)
                                  5
                                             Code Structure
}
```

After the boot application, it is possible to configure other application codes, which will be started when SW1 in EVM is pressed.

```
[App1]
App1.Name = ""
App1.Size = 1
App1.Script0.Name = "Beamforming Enabled"
App1.Script0.Data =
{
# Script code
# w 30 00 01 -> w (write) 30 (I2C address) 00 (Register number) 01 (Register value)
}
[App2]
App2.Name = ""
App2.Size = 1
App2.Script0.Name = "Beamforming Disabled"
App2.Script0.Data =
{
# Script code
# w 30 00 01 -> w (write) 30 (I2C address) 00 (Register number) 01 (Register value)
}
```