

# Quick Start for Gravity FCAV (Fibre Channel Audio Video) Cards

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This document describes the steps required to use Great River Technology series Gravity FCAV card. This is applicable to both PCI and PMC versions.

1. Install Windows software API per the supplied "EFC API Install Guide". Follow the steps in this document closely and make sure to install the software first, then install the hardware and complete the installation per the manual.

For Linux, refer to the Linux Install Guide and follow the instructions to use the supplied TAR files on the Linux Driver CD.

2. Are you writing a custom application using the API (SDK) ?

No

Yes

3. Use the supplied test application "*FCAV TestApp*" from the windows start menu and refer to "GRAVITY\_FCAV\_USERS MANUAL" for the steps to operate this application.

4. Set your mode and load an image to transmit or turn on the receiver to capture images that can be viewed on the live VGA Video port.

Done

3. Refer to the "SDK\_FCAVAPI\_USERMAN" for the listing of exported functions. Section "Function Descriptions" of the API User manual details each of these functions.

Your Card uses Mode \_\_\_\_\_  
(Refer to FCAVAPI\_UserMan for use of this mode)  
Refer to "Video Modes and Format Details" section of the API User Guide for details of your mode.

Follow steps next page to write custom application

## Steps to write custom application

- A. Follow the steps in the “Applications and Function Usage” section of the API User guide and or refer to the example code for a basic application framework. For a basic application, start with “exampleFCAV” or for Linux use “efcfcav.c”
- B. Use your frame parameters and set all structure parameters that apply. Refer to the “User Types Defined” section of the API User guide. In the example source code for exampleFCAV file named *exampleFCAV.cpp*, look for the commented section “USER PARAM AREA”. Enter parameters per your video mode and size.
- C. If the application is a receiver and you need to capture data realtime, add code to the interrupt handler to show or store your data captured. Refer to “Interrupt Notification Methods” section of the API User guide.
- D. Make sure your application includes the header file “EFCAPI.H” and the link library “EFCAPI.LIB” located in the C:\EFCAPI\CODE directory.

### Build and run your application

Refer to the table below for the applicable documents and software.

Description	Location from C:\EFCAPI
Supplied Test Applications	EFC_FCAV.EXE
API user manual	\Docs\SDK_FCAVAPI_UserMan.pdf
User manual for supplied applications	\Docs\Gravity_FCAV_Users_Manual.pdf
Example Code	\Code\exampleFCAV or \Code\exampleVB_FCAV
Developer Header Files and Link Library	\Code\efcapi.h  \Code\efcapi.lib  \Code\modEFCAPI.bas (visual basic module)
<b>For Technical Support Call Toll Free in US 1-866-478-4491 or 505-881-6262</b>	