Play Chocolate Doom on VisionFive

Application Note

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Legal Statements

Important legal notice before reading our documentation.

PROPRIETARY NOTICE

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Preface

About this guide and technical support information.

About this document

This document mainly provides the users with the necessary information to play Chocolate Doom on the Fedora system using VisionFive.

Revision History

Table 0-1 Revision History

Version	Released	Revision
V1.0	2021-01-27	The first official release.

Notes and notices

The following notes and notices might appear in this guide:

- **Tip:**
  Suggests how to apply the information in a topic or step.

- **Note:**
  Explains a special case or expands on an important point.

- **Important:**
  Points out critical information concerning a topic or step.

- **CAUTION:**
  Indicates that an action or step can cause loss of data, security problems, or performance issues.

- **Warning:**
  Indicates that an action or step can result in physical harm or cause damage to hardware.

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1. Introduction

This document mainly provides the users with the necessary information to play Chocolate Doom on the VisionFive system.

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2. Preparation

Make sure you have prepared the following items.

2.1. Required Hardware

You need to prepare the following hardware items:

- VisionFive

- Micro-SD card (16 GB or more)

- PC with Linux OS

- USB to Serial Converter

- Ethernet cable

- Power adapter

- USB Type-C cable

2.2. Flashing Fedora OS to a Micro-SD Card

Now we need to burn Fedora (which is a Linux distribution) to a micro-SD card so that it can run on the VisionFive. Follow the steps in the *Flashing Fedora OS to a Micro-SD Card* section in the *VisionFive Single Board Computer Quick Start Guide*.

3. Playing Chocolate Doom on VisionFive Fedora

To play chocolate doom on VisionFive Fedora, perform the following:

Compiling

1. Execute the following commands to compile code on the VisionFive Fedora system:

```
sudo dnf install SDL*
cd ~
git clone https://github.com/JeremyAngCH/chocolate-doom.git
cd chocolate-doom
./autogen.sh
./configure
make && make install
mkdir -p ~/.local/share/chocolate-doom && cp *.cfg
 ~/.local/share/chocolate-doom/.
```

Download and Play Chocolate Doom

2. Download the game from [Doom](#) to the `/home/<User_Name>/chocolate-doom` under the VisionFive Fedora system:
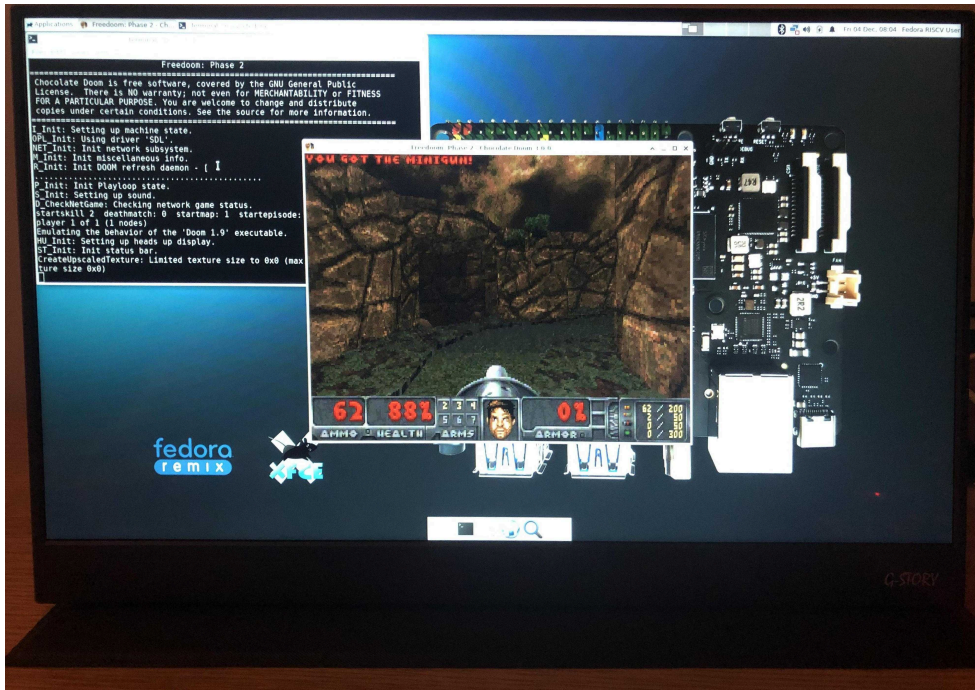
> **ⓘ Tip:**
> `<User_Name>` refers to the board user name.

3. Start the game by executing:

```
chocolate-doom -iwad DOOM1.WAD
```

Figure 3-1 Playing Doom on VisionFive

Now you can play the Chocolate Doom on VisionFive!

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