PROJECT: WFAC2X2

FIRMWARE RELEASE NOTE
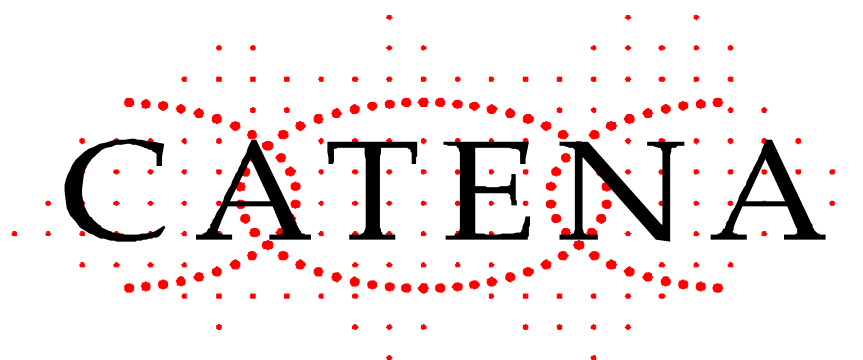
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Revision Control

Revision	Author	Purpose and Brief Summary of Changes	Date
0.1	Ajay Peter	Describe firmware release R1.3.002	Feb 26, 2021

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1 INTRODUCTION

1.1 Document Purpose and Scope

This document describes the content of the firmware releases for the WFAC2x2 project, variant Begonia.

1.2 References

Table 1-1 References

Doc #	Reference	Name	Date
19CAIN01_C06S017	[UM]	User Manual v1.1	Dec 10, 2019
17CAIN09_C06S009	[AMG]	API Migration Guide v1.0	Sept 25, 2019

1.3 Abbreviations and Definitions

Table 1-2 Abbreviations

Abbreviation	Meaning

Table 1-3 Definitions

Definitions	Meaning

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2 RELEASE PACKAGE

2.1 Version Identification

Identifier	Value
target	BE
firmware version	R1.3.002

For this release, the GetVersion command will reply with the following information:

Identifier	Value
hw_major	50
hw_minor	C0
target_ver	2
fw_major	1
fw_minor	3
Build_nr	2
Test_nr	0

2.2 Package Content

The release package contains the following files:

File	Description
WFAC22_50C0_prog.mem	Program memory file, to be loaded by the host
WFAC22_50C0_init.mem	Initialization file, to be loaded by the host

Please follow the load and boot instructions as explained in the [UM].

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3 RELEASE CONTENT

3.1 Goal

This firmware may be used for the Begonia target.

This firmware is intended to prevent errors seen when *rf_set_channel* is repeated several times.

Other changes include:
- Fixed: LB High Latency Command error sets wrong interrupt source.
- Added feature to synchronise the ADC clock

3.2 Supported Functionality

The table below shows which commands are part of this release, and if there are limitations for the command in this release.

Table 3-1 command overview

Command	Status
GEN_GetVersion	Functional
GEN_SetProperty	Functional
GEN_GetProperty	Functional
APP_GetStatus	Functional
APP_Activate	Functional
APP_Deactivate	Functional
APP_GetTemperature	Functional
APP_Calibrate	Functional
APP_CalResistor	Functional
APP_SetResistor	Functional
APP_ConfigTrx	Functional
APP_ConfigFemCtrl	Functional
CLK_SetXo	Functional
TRX_Receive	Functional
TRX_Transmit	Functional
TRX_Stop	Functional
TRX_Park	Functional
TRX_Prepare	Functional
TRX_GetStatus	Functional
TRX_SetDsmLoopDeltaLo	Functional
TRX_SetTestDc	Functional

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4 KNOWN PROBLEMS & LIMITATIONS

None.

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