

MOST

Media Oriented Systems Transport

Multimedia and Control
Networking Technology

MOST FunctionBlock UniqueFunctions

Rev 2.3

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Bibliography MOST Function Catalog

This is a list of released FunctionBlocks at the release time of this specification. FBlocks which are released later are not reflected in this list.

FBlockID	FunctionBlock
0x00	GeneralFBlock
0x00	GeneralPlayer
0x01	NetBlock
0x02	NetworkMaster
0x03	ConnectionMaster
0x06	Diagnosis
0x0F	Enhanced Testability
0x22	AudioAmplifier
0x26	MicrophoneInput
0x30	AudioTapePlayer
0x31	AudioDiskPlayer
0x34	DVDVideoPlayer
0x40	AmFmTuner
0x41	TMCTuner
0x42	TVTuner
0x50	Telephone
0x51	GeneralPhoneBook
0x60	GraphicDisplay
0xFF	UniqueFunctions

UniqueFunctions FBlock (0xFF) Change History

Changes UniqueFunctions FBlock 2.3 to UniqueFunctions FBlock x.x.x

Change Ref.	FktID	Changes
-	-	-
		-
		-

1 Introduction

A MOST Function Catalog is a collection of MOST FunctionBlocks.

This document contains the specification of a FunctionBlock. MOST FunctionBlocks are standardized and maintained by MOST workgroup Device Architecture (WG_DA). In order to speed up the process of making new Function Blocks available, every Function Block will be updated individually as required.

2 FunctionBlock Definition

2.1 UniqueFunctions (FBlockID=0xFF)

This function Block contains the definitions for the unique functions (see 2.4.2.4 of the MOST Spec) The unique functions are defined unambiguously in the entire system. As function block ID the ID "all" is used in this database. In a real device, these functions can be located in any function block.

2.1.1 Time (0xA04)

This property contains the current local time.

2.1.1.1 Format of Function

Function classes: Unclassified Property

FBlock	Function	OPType	Parameter
UniqueFunctions (0xFF)	Time (0xA04)	Set	Hour, Minute, Second
		Get	
		Status	Hour, Minute, Second
		Error	ErrorCode, ErrorInfo

2.1.1.2 Parameter

Second

Basis datatype	Exp.	Range of values	Step	Unit
Unsigned Byte	0	0..59	1	none

Minute

Basis datatype	Exp.	Range of values	Step	Unit
Unsigned Byte	0	0..59	1	none

Hour

Basis datatype	Exp.	Range of values	Step	Unit
Unsigned Byte	0	0..23	1	none

2.1.2 Date (0xA05)

this property contains the current local date

2.1.2.1 Format of Function

Function classes: Unclassified Property

FBlock	Function	OPType	Parameter
UniqueFunctions (0xFF)	Date (0xA05)	Set	Year, Month, Day
		Get	
		Status	Year, Month, Day
		Error	ErrorCode, ErrorInfo

2.1.2.2 Parameter

Year

Basis datatype	Exp.	Range of values	Step	Unit
Unsigned Word	0		1	

Month

Basis datatype	Exp.	Range of values	Step	Unit
Unsigned Byte	0	1..12	1	none

Day

Basis datatype	Exp.	Range of values	Step	Unit
Unsigned Byte	0	1..31	1	none

2.1.3 GMTOffset (0xA06)

This property contains the time offset between the local time and GMT. If the time offset is unknown, this value is 0x80 .

2.1.3.1 Format of Function

Function classes: Number

FBlock	Function	OPType	Parameter
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UniqueFunctions (0xFF)	GMTOffset (0xA06)	Error	ErrorCode, ErrorInfo

2.1.3.2 Parameter

Offset

Offset between the local time and GMT. 0x80 = unknown

Basis datatype	Exp.	Range of values	Step	Unit
Signed Byte	0		1	none

3 FunctionBlock Dynamic Specification

TBD

