
Multi Bus Tester - Error Codes

Release 0.2.3

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These are the error codes returned by the MB Tester functions as the result. In case of success, the functions return 0.

I. INTERNAL ERRORS

- **-100 - MPBR_INPUT_ARGUMENT_INVALID** : The incoming argument is null or invalid.
- **-99 - MPBR_INPUT_SCOPE_ID_INVALID** : The incoming scope id is invalid.
- **-98 - MPBR_UNHANDLED_EXCEPTION** : Any unhandled exception occurred.
- **-97 - MPBR_INVALID_SCOPE_ID** : The given scope id is invalid.
- **-96 - MPBR_COMMAND_CREATE_ERROR** : Could not create command object.
- **-95 - INVALID_COMMUNICATION_TYPE** : Invalid communication type.
- **-200 - ERROR_DLL_CALL_OF_FUNCTION** : Internal error
- **-201 - ERROR_DLL_PARAMETER_ERROR** : Internal error
- **-202 - ERROR_DLL_INVALID_RETURN** : Internal error
- **-203 - ERROR_DLL_NO_PORT** : Internal error
- **-204 - ERROR_DLL_PORT_NOT_OPEN** : Internal error
- **-205 - ERROR_DLL_NO_TAG_ID** : Internal error
- **-206 - ERROR_FUNCTION_NOT_IMPLEMENTED** : Internal error
- **-298 - ERROR_PYT_SRAM_READY_TIMEOUT** : Internal error
- **-299 - ERROR_PYT_TYPE_ERROR** : Internal error
- **-300 - ERROR_PYT_ARGUMENT_ERROR** : Internal error

II. MP BUS ERRORS

- **1001 - MPBR_ERROR_BUS_TIMEOUT** : A timeout occurred.
- **1002 - MPBR_ERROR_BUS_PARITY** : The packet was corrupt.
- **1003 - MPBR_ERROR_BUS_UNKNOWN_ERROR** : Unknown error.
- **1111 - MPBR_ERROR_MP_COMMAND_NOT_KNOWN** : Command not known by the slave.
- **1112 - MPBR_ERROR_MP_COMMAND_NOT_PERM** : Command not permitted, eg. missing login.
- **1113 - MPBR_ERROR_MP_COMMAND_EXEC_FAIL** : Command execution failed.
- **1114 - MPBR_ERROR_MP_PARAM_ERROR** : Parameter error, invalid values.
- **1115 - MPBR_ERROR_MP_UNKNOWN_ID** : Unknown id (generic data access).
- **1116 - MPBR_ERROR_MP_SIZE_MISMATCH** : Size mismatch (generic data access).
- **1117 - MPBR_ERROR_MP_ILLEGAL_BLOCK_NUM** : Illegal block number (generic data access).
- **1118 - MPBR_ERROR_MP_SLAVE_BUSY** : Command can not processed while slave busy.
- **1119 - MPBR_ERROR_MP_UNKNOWN_ERROR** : Unknown MP error.
- **1200 - MPBR_ERROR_MP_TOOL_SLAVE_ATTACH** : A tool slave wants to attach as a master to the MP Bus.

III. BNP ERRORS

- **1500 - ERROR_BNP_SENDING_CMD_NOT_POSSIBLE** : Sending command is not possible because MP Answer is pending
- **1501 - ERROR_BNP_CANNOT_GET_ANSWER** : Cannot get MP Answer, because no MP Answer is pending.
- **1502 - ERROR_BNP_PACKET_LENGTH_MISMATCH** : Packet length mismatch. Length does not match the received number of bytes.
- **1503 - ERROR_BNP_UNKNOWN_COMMAND_CODE** : Unknown Belimo NFC command code
- **1504 - ERROR_BNP_PARAMETER_ERROR** : Parameter error. Possible reasons:
 - Not enough or too many parameters
 - Some parameter have wrong values, e.g. MP Bus = 12 but only 0 and 1 are valid.
- **1505 - ERROR_BNP_TUNNEL_MODE_DISABLED** : Tunnel mode disabled
- **1506 - ERROR_BNP_CMD_PARITY_ERROR** : MP Command parity error
- **1550 - ERROR_BNP_PACKET_SIZE_MISMATCH** : The packet size is not as expected
- **1551 - ERROR_BNP_INVALID_ANSWER** : The command code of the answer is invalid
- **1552 - ERROR_BNP_CRC_ERROR** : The crc is bad in answer packet.
- **1553 - ERROR_BNP_UNKNOWN_BNP_ANSWER_ERROR** : The MP error answer gets an unknown error.
- **1554 - ERROR_BNP_MP_ANSWER_ERROR** : There was an error with the MP answer, no answer can be sent.
- **1555 - ERROR_BNP_MP_ANSWER_LEN_MISMATCH** : The length of the mp answer is not as expected accordint to status byte.
- **1556 - ERROR_BNP_NOT_IMPLEMENTED_FEATURE** : The feature is not available. See the log for details.

IV. NFC ERRORS

- **2000 - UNKNOWN_FEIG_ERROR** : Unknown error happened during the using of FEIG reader.
- **2001 - INVALID_READER_TYPE** : The given reader type was invalid
- **2002 - INVALID_TAG_HANDLER** : The given tag handler is invalid
- **2003 - READER_IS_NOT_CONNECTED** : There is no reader connected
- **2004 - TAG_NOT_FOUND** : The given tag is not selected
- **2100 - FEIG_FEDM_UNKNOWN_READER_TYPE** : Unknown reader type
- **2101 - FEIG_FEDM_PAYLOAD_LENGTH** : Payload length error
- **2102 - FEIG_FEDM_PAYLOAD_BUILDER** : Payload build error
- **2103 - FEIG_FEDM_PAYLOAD_PARSER** : Payload parser error
- **2104 - FEIG_FEDM_UNSUPPORTED_ADDRESS_MODE** : Unsupported address mode
- **2105 - FEIG_FEDM_CONFIG_SIZE_MISMATCH** : Configuration size mismatch
- **2106 - FEIG_FEDM_CONFIG_READ** : Configuration read error
- **2107 - FEIG_FEDM_CONFIG_WRITE** : Configuration write error
- **2108 - FEIG_FEDM_CONFIG_PARAMETER** : Configuration parameter error
- **2109 - FEIG_FEDM_CONFIG_MEM_NOT_AVAILABLE** : Configuration memory (RAM) not available
- **2110 - FEIG_FEDM_COMMAND_PARAMETER** : Command parameter error
- **2111 - FEIG_FEDM_COMMAND_PARAMETER_WRONG_READER** : Wrong reader type for command parameter
- **2112 - FEIG_FEDM_FUNCTION_NOT_SUPPORTED** : Function not supported
- **2113 - FEIG_FEDM_OUT_OF_MEMORY** : Memory allocation failed
- **2114 - FEIG_FEDM_NO_DATA** : No data available
- **2115 - FEIG_FEDM_RESPONSE_PROCESSING** : Reader response processing failed
- **2116 - FEIG_FEDM_TAG_COMMAND_FAILED** : The command executed on a tag failed
- **2117 - FEIG_FEDM_INSUFFICIENT_BUFFER_LENGTH** : Wrapper: Length of the data buffer is insufficient
- **2118 - FEIG_FEDM_WRP_INVALID_READER_HANDLE** : Wrapper: Invalid reader handle
- **2119 - FEIG_FEDM_WRP_CANNOT_CREATE_TAG_HANDLE** : Wrapper: FEDM library returned null pointer as tag handler

- **2120 - FEIG_FEDM_WRP_CORRUPTED_DATA** : Wrapper: Data of 'FEDM_ReaderInfo/FEDM_ReaderDiag' is corrupt
- **2121 - FEIG_FEDM_WRP_INVALID_HEX_STR** : Wrapper: Invalid HEX string
- **2122 - FEIG_FEDM_WRP_INVALID_POINTER** : Wrapper: An invalid pointer has been past to the FEDM wrapper
- **2123 - FEIG_FEDM_WRP_INDEX_OUT_OF_RANGE** : Wrapper: Access to an array failed because the index is out of range
- **2124 - FEIG_FEDM_WRP_JAVA_NULL_PARAMETER** : Wrapper: Invalid value 'null' for parameter of FEDM Java Wrapper
- **2125 - FEIG_FEDM_WRP_JAVA_INTERNAL_ERROR** : Wrapper: Internal Java Wrapper Error
- **2150 - FEIG_STATUS_BYTE_01_TS_NO_TRANSPONDER** : Status byte (0x01) No Transponder
- **2151 - FEIG_STATUS_BYTE_02_TS_DATA_FALSE** : Status byte (0x02) Data False
- **2152 - FEIG_STATUS_BYTE_03_TS_WRITE_ERROR** : Status byte (0x03) Write-Error
- **2153 - FEIG_STATUS_BYTE_04_TS_ADDRESS_ERROR** : Status byte (0x04) Address-Error
- **2154 - FEIG_STATUS_BYTE_05_TS_WRONG_TRANSPONDER_TYPE** : Status byte (0x05) Wrong Transponder-Type
- **2155 - FEIG_STATUS_BYTE_08_TS_AUTHENT_ERROR** : Status byte (0x08) Authent-Error
- **2156 - FEIG_STATUS_BYTE_0E_TS_GENERAL_ERROR** : Status byte (0x0E) General-Error
- **2157 - FEIG_STATUS_BYTE_10_PS_EEPROM_FALIURE** : Status byte (0x10) EEPROM Failure
- **2158 - FEIG_STATUS_BYTE_11_PS_PARAMETER_RANGE_ERROR** : Status byte (0x11) Parameter Range Error
- **2159 - FEIG_STATUS_BYTE_31_SS_NO_SAM_DETECTED** : Status byte (0x31) No SAM detected
- **2160 - FEIG_STATUS_BYTE_32_SS_REQ_SAM_IS_NOT_ACTIVE** : Status byte (0x32) Requested SAM is not activated
- **2161 - FEIG_STATUS_BYTE_33_SS_REQ_SAM_IS_ALREADY_ACTIVE** : Status byte (0x33) Requested SAM is already activated
- **2162 - FEIG_STATUS_BYTE_34_SS_REQ_PROT_NOT_SUPPORTED** : Status byte (0x34) Requested protocol is not supported by the SAM
- **2163 - FEIG_STATUS_BYTE_35_SS_SAM_COMMUNICATION_ERROR** : Status byte (0x35) SAM communication error
- **2164 - FEIG_STATUS_BYTE_36_SS_TIMEOUT** : Status byte (0x36) Timeout
- **2165 - FEIG_STATUS_BYTE_37_SS_UNSUPPORTED_SAM_BAUDRATE** : Status byte (0x37) Unsupported SAM Baudrate
- **2166 - FEIG_STATUS_BYTE_80_IS_UNKNOWN_COMMAND** : Status byte (0x80) Unknown Command
- **2167 - FEIG_STATUS_BYTE_81_IS_LENGTH_ERROR** : Status byte (0x81) Length-Error
- **2168 - FEIG_STATUS_BYTE_82_IS_COMMAND_NOT_AVAILABLE** : Status byte (0x82) Command (currently) not available
- **2169 - FEIG_STATUS_BYTE_83_TS_RF_COMMUNICATION_ERROR** : Status byte (0x83) RF Communication Error
- **2170 - FEIG_STATUS_BYTE_93_TS_DATA_BUFFER_OVERFLOW** : Status byte (0x93) Data Buffer Overflow

- **2171 - FEIG_STATUS_BYTE_94_TS_MORE_DATA** : Status byte (0x94) More Data
- **2172 - FEIG_STATUS_BYTE_95_TS_ISO15693_ERROR** : Status byte (0x95) ISO15693-Error
- **2173 - FEIG_STATUS_BYTE_96_TS_ISO14443_ERROR** : Status byte (0x96) ISO14443-Error
- **2174 - FEIG_STATUS_BYTE_97_TS_CRYPTO_PROCESSING_ERROR** : Status byte (0x97) Crypto Processing Error
- **2175 - FEIG_STATUS_BYTE_F1_RS_HARDWARE_WARNING** : Status byte (0xF1) Hardware Warning

V. MODBUS ERRORS

- **3000 - MODBUS_ERROR_ILLEGAL_FUNCTION** : Illegal function
- **3001 - MODBUS_ERROR_ILLEGAL_DATA_ADDR** : Illegal data address
- **3002 - MODBUS_ERROR_ILLEGAL_DATA_VAL** : Illegal data value
- **3003 - MODBUS_ERROR_SLAVE_OR_SERVER_FAIL** : Slave device or server failure
- **3004 - MODBUS_ERROR_ACKNOWLEDGE** : Acknowledge
- **3005 - MODBUS_ERROR_SLAVE_OR_SERVER_BUSY** : Slave device or server is busy
- **3006 - MODBUS_ERROR_NEGATIVE_ACKNOWLEDGE** : Negative acknowledge
- **3007 - MODBUS_ERROR_MEMORY_PARITY** : Memory parity error
- **3008 - MODBUS_ERROR_GATEWAY_UNAVAILABLE** : Gateway path unavailable
- **3009 - MODBUS_ERROR_TARGET_DEV_FAIL** : Target device failed to respond
- **3010 - MODBUS_ERROR_INVALID_CRC** : Invalid CRC
- **3011 - MODBUS_ERROR_INVALID_DATA** : Invalid data
- **3012 - MODBUS_ERROR_INVALID_EXCEPTION** : Invalid exception code
- **3013 - MODBUS_ERROR_TOO_MANY_DATA** : Too many data
- **3014 - MODBUS_ERROR_RESPONSE_NOT_FROM_REQ_SLAVE** : Response not from requested slave
- **3015 - MODBUS_ERROR_UNKNOWN** : Unknown error
- **3016 - INVALID_BUS_ACCESSOR** : The bus accessor is not defined