

Call Button Messages

© Detlef Reil, 4/10/2004

A – Error Messages

Current list of Call Button (release 040330 and up) messages shown on the display:

1 No Response

The application does not respond to a Call Button event. A TCP connection was established and the event notification telegram was properly sent to the host and acknowledged on the TCP level (ACK). However, there was no valid response telegram received within time (“Default On-Time after wakeup” in the miscellaneous section of FBConfig). (This message applies to the Rabus connection. For the HTTP connection, message 19 is displayed). Possible causes: Host application too slow or FBConfig setting to low; Programming error in the host application; erroneous Rabus transaction protocol (see Rabus log file).

2 Emergency off

The device has switched off after 10 minutes in order to save battery power. Possible causes: Permanent button press or permanent RTS signal on the Serial Port (no switching off possible!); application keeps Call Button awake by continuous communication; internal error

3 Host not reached

The host computer (Rabus) could not be reached. No response (TCP-ACK) was received on the TCP connection establishment attempt at the configured host IP address. After several retries (default: for 30 seconds) this message is shown. (This message applies to the Rabus connection. For the HTTP connection, message 17 is displayed). Possible causes: No host reachable under the IP address of the server; invalid ESS ID; WEP keys do not match; multiple devices have the same (own) IP address – one Call Button “steals” the MAC-to-IP assignment from another.

4 No server

The service (Rabus) on the host computer is not started. The host responded with a TCP reset packet (port not in operation). (This message applies to the Rabus connection. For the HTTP connection, message 18 is displayed). Possible cause: Rabus Server is not started.

5 Radio Error

Error on radio level. Possible cause: Defective radio module.

6 Radio Error on send

Error on radio level. Possible cause: Defective radio module.

7 No Association

The access point could not be reached. After several communication retries (default: for 30 seconds) this message is shown. Possible causes: insufficient radio coverage; WEP keys do not match.

8 Hardware Failure

Internal access failure. Possible cause: Device defective.

9 Lost Connection

The host unexpectedly terminated the TCP connection (TCP-Finish). Possible cause: Error in the host.

10 DHCP Error

The DHCP server does not respond after several retries. Possible cause: DHCP server could be reached; unintentionally, a fixed (and wrong) DHCP server address was configured.

11 No IP available

The DHCP server does not supply an IP address. Possible cause: No IP address vacant at the DHCP server.

12 Old protocol version

The host responds with an outdated protocol version. Possible cause: Invalid host software (other than Rabus) captures the TCP port; outdated, incompatible Call Button firmware is used; wrong host port is configured.

13 Syntax Error

Invalid transaction telegram received from the host. Possible cause: Invalid host software (other than Rabus) captures the TCP port; wrong host port is configured.

14 TCP Error

Invalid TCP packet received. Possible cause: TCP stack on the host is not working properly.

15 HTTP Syntax Error

HTTP response telegram not understood. Possible cause: Incompatibility in the HTTP implementation; invalid host software (other than a web server) captures the TCP port; wrong HTTP server port is configured.

16 HTTP Error HTTP Fehler

HTTP message with HTTP status received. Possible cause: Depending on status code, e.g. 404 – „not found“: No resource found for the requested URL; 401 – „Unauthorized“: no authorization to access the resource.

17 Webhost not reached

The web server could not be reached. No response (TCP-ACK) was received on the TCP connection establishment attempt at the configured host IP address. After several retries (default: for 30 seconds) this message is shown. (This message applies to the HTTP server connection. For the Rabus connection, message 3 is displayed). Possible causes: No host reachable under the IP address of the server; invalid ESS ID; WEP keys do not match; multiple devices have the same (own) IP address – one Call Button “steals” the MAC-to-IP assignment from another.

18 No webservice

The web service on the host computer is not started. The host responded with a TCP reset packet (port not in operation). (This message applies to the HTTP connection. For the Rabus connection, message 4 is displayed). Possible cause: Web server is not started.

19 No HTTP response

The web server application does not respond to a Call Button event. A TCP connection was established and the event notification telegram was properly sent to the host and acknowledged on the TCP level (ACK). However, there was no valid response telegram received within time (“Default On-Time after wakeup” in the miscellaneous section of FBConfig). (This message applies to the HTTP connection. For the Rabus connection, message 1 is displayed). Possible causes: Host application too slow or FBConfig setting to low; Programming error in the host application.

20 Unknown Error

Unspecified error.

B – Additional Messages

Additional application independent messages:

please wait...

Displayed, when a user event (keypress, scan) occurs until the response from the host is received. When the battery is low (level: 0),

CHANGE BATTERY

Is additionally shown. Further operation is possible until the battery breaks down completely.

When the button is pressed for more than 2 seconds, release information (Call Button name, firmware release, configuration version, serial number, configured IP address) is displayed and no transaction takes place. In case the HTTP communication is activated, a Rabus (not HTTP) transaction is forced after releasing the button.

Firmwareupdate -

please wait...

An automatic firmware update will proceed.

New release

A new firmware release was activated. The Call Button is ready to operate.

Invalid program

This message is displayed, when the received firmware file is invalid. The old firmware persists. Obviously, the program file configured in Rabus is invalid. The automatic firmware update should be de-activated immediately since the program update will be restarted after every transaction.

New parameters

New parameters were activated after an automatic configuration update by Rabus. The Call Button is ready to operate.

Sending config.

The Call Button sends the current configuration parameters to FBConfig over the serial port.

Receiving config.

The Call Button receives new configuration parameters from FBConfig over the serial port.

Transmission OK

The reception of configuration from FBConfig was OK.

Transmission failed

The reception of configuration from FBConfig was not OK.

Configuration passed

The new configuration from FBConfig is activated.

Configuration failed

The new configuration from FBConfig could not be activated.

C – Additional messages for the HTTP communication

Additional HTTP messages:

(Admin Connection)

This line is displayed in addition to one of the error messages in section A, when the error refers to the Rabus not the HTTP communication.

please wait...

No Admin Connection!

xx days left!

Displayed, when a user event (keypress, scan) occurs until the response from the host is received. Currently, the Rabus connection is malfunctioning. Anyway, the HTTP operation is possible for the displayed time

CallButton disabled-

No Admin Connection!

There was no Rabus connection for some time. The HTTP communication is disabled. A keypress tries a Rabus connection instead. As soon as Rabus is back in operation, the following message is shown.

CallButton reenabled!

This message is shown when the Call Button had been disabled and Rabus is back in operation. A subsequent button press causes a HTTP transaction.

Ready.

The Call Button is ready to operate (shown after a successful Rabus communication after a Rabus error when currently no HTTP display is shown).