# Posting LOGS:

## Command Package:

|  |  |  |  |
| --- | --- | --- | --- |
| Device ID | Current  Time | Logs | EOF |
| Low byte to high byte | Year  Month  Date  Hour  Minute  Second |  | 0xFF |

#### Device ID:

|  |  |  |  |
| --- | --- | --- | --- |
| Low Byte | ………………………… | ………………………….. | High Byte |

Current Time:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Year | Month | Date | Hour | Minute | Second |

LOG:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Year | Month | Date | Hour | Minute | Second | Card/  Fingerprint ID | ID | ID | ID | ID |
|  |  |  |  |  |  | C/F | Low Byte | ….. | ….. | High Byte |

## Return Package:

Reply can be of 2, 7 or 10 bytes.

#### 2 Bytes Return:

It is sent when fingerprint database Update is available. After receiving this, the device will post to database update URL. Sent bytes will not be parsed!

#### 7 Bytes Return:

It is sent when the device current time has a difference of more than 30 seconds with the server time.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| A | Second | Minute | Hour | Date | Month | Year |

#### 10 Bytes Return:

It is sent when the log posting is successful and there is no fingerprint database update. Sent bytes will not be parsed!

# Updating Templates:

Command Package:

|  |  |
| --- | --- |
| Device ID | UID |
| 4 Bytes | 2 Bytes |

#### Device ID:

|  |  |  |  |
| --- | --- | --- | --- |
| Low Byte | ………………………… | ………………………….. | High Byte |

UID:

|  |  |
| --- | --- |
| High Byte | Low Byte |

## Return Package:

Reply can be of 514 or 10 bytes

#### 514 Bytes Return:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| UID | Delete/Replace/new | Fingerprint ID in the device | Fingerprint Template | Employee ID |
| 2 bytes | 2 bytes | 2 bytes | 498 bytes | 10 bytes |

#### UID:

|  |  |
| --- | --- |
| High Byte | Low Byte |

#### Delete/Replace /New:

|  |  |
| --- | --- |
| First byte | Second byte |
| For delete 0, For replace/new entry | For delete 0, For replace/new entry |

#### Fingerprint ID in the device:

The fingerprint will be saved in this position in local device

|  |  |
| --- | --- |
| Low Byte | High Byte |

Fingerprint Template:

Fingerprint Templates are saved in “.fpt” format and are of 498 bytes.

#### Employee ID:

There may be multiple fingerprints under one employee ID. This may be assigned by the client. There are 10 bytes to hold the ID. Unlike other values employee ID is implemented using strings. So the ID may contain characters and this field is only for display purpose. Whatever the value is inputted here will be shown upon successful recognition. The log will NOT contain this ID. If the ID string is less than 10 bytes then null bytes must be padded with “ ”(white space).