

# A Series of Standalone Products

## **Communication SDK manual**

### **BIO REP-100**

Function list:

### CMD\_CONNECT

Connect\_Net(BSTR IPAdd, long Port, VARIANT\_BOOL\* pVal)

Function:

Connect the device via the Ethernet.

Parameter:

IPAdd: IP address;

Port: communication port.

### CMD\_EXIT

Disconnect(void)

Function:

Disconnect the Ethernet communication.

SetCommPassword(long CommKey, VARIANT\_BOOL\* pVal)

Function:

Set communication password.

Parameter:

CommKey: the communication password.

### CMD\_USERTEMP\_RRQ

SSR\_GetAllUserInfoEx(LONG dwMachineNumber, BSTR\* dwEnrollNumber, BSTR\* Name, BSTR\* Password, LONG\* Privilege, VARIANT\_BOOL\* Enabled, BSTR\* PIS, BSTR\* CPF, VARIANT\_BOOL\* pVal)

Function :

Download user's information from the device.

### CMD\_TIMELOG\_RRQ

GetDatetimeOpLog(LONG dwMachineNumber, BSTR\* nsr, BSTR\* OldDatetime, BSTR\* NewDatetime, VARIANT\_BOOL\* pVal)

Function :

Download Time Setting from the device.

Parameter :

dwMachineNumber : device's number.

nsr : NSR

OldDatetime : Old Date

NewDatetime : New date.

### CMD\_EMPLLOG\_RRQ

GetEmployerOpLog(LONG dwMachineNumber, BSTR\* nsr, LONG\* year, LONG\* month, LONG\* day, LONG\* hour, LONG\* min, LONG\* sec, BSTR\* cnpj\_cpf, LONG\* identtype, BSTR\* cei, BSTR\* name, BSTR\* address, VARIANT\_BOOL\* pVal)

Function :

Download employer's operation log from the device.

Parameter :

cnpj\_cpf : Cnpj or cpf number.

identtype, CNPJ/CPF, 0- for cnpj, 1- for cpf

cei:CEI

name : Employer name

address : Address of employer

### CMD\_USERLOG\_RRQ

GetEmployeeOpLog(LONG dwMachineNumber, BSTR\* nsr, LONG\* year, LONG\* month, LONG\* day, LONG\* hour, LONG\* min, LONG\* sec, BSTR\* optype, BSTR\* pis, BSTR\* name, VARIANT\_BOOL\* pVal)

Function :

Download user's operation log from the device

Parameter :

Optype: type of operation I : add, A : edit, E : delete

Pis : PIS number.

### CMD\_EMPLOYER\_RRQ

GetEmployer(LONG dwMachineNumber, BSTR\* Name, BSTR\* CertType, BSTR\* Tax, BSTR\* CEI, BSTR\* Addr, VARIANT\_BOOL\* pVal)

Function :

Download employer information form the device.

Parameter :

CertType : CNPJ/CPF, "0"- for CNPJ, "1"- for CPF

Tax : CNPJ/CPF No.

### CMD\_USER\_WRQ

SSR\_SetUserInfoEx(LONG dwMachineNumber, BSTR dwEnrollNumber, BSTR Name, BSTR Password, LONG Privilege, VARIANT\_BOOL Enabled, BSTR PIS, BSTR CPF, VARIANT\_BOOL\* pVal)

Function :

Upload the user information to the device.

Parameter :

PIS : PIS number. Must enter 12 digits

CPF : CPF number, Input 14 digits as MAX.

### CMD\_EMPLOYER\_WRQ

SetEmployer(LONG dwMachineNumber, BSTR Name, LONG CertType, BSTR Tax, BSTR CEI, BSTR Addr, VARIANT\_BOOL\* pVal)

Function :

Upload employer information to device.

Parameter :

Name : Employer name, input 150 characters as MAX

CertType : CNPJ/CPF, 0-CNPJ , 1-CPF

Tax: CNPJ/CPF No. Input 14 digits as MAX

CEI : CEI, input 12 digits as MAX

Addr;employer address , input 100 characters as MAX

SetSeekPosition(LONG dwMachineNumber, LONG Position, VARIANT\_BOOL\* pVal)

Function:

Position Download Index, take a sample, if there are 5000 punch logs, you can set punch download starting

from an index like the thousands by the function.

Parameter :

dwMachineNumber : device number

Position : position download from

### CMD\_ATTOFBZ400\_RRQ

GetAttLogs(LONG dwMachineNumber, BSTR\* NSR, BSTR\* PIS, LONG\* dwYear, LONG\* dwMonth, LONG\* dwDay, LONG\* dwHour, LONG\* dwMinute, LONG\* dwSecond, VARIANT\_BOOL\* pVal)

Function :

Download attendance record from the device.

Parameter :

NSR : NSR

PIS: PIS number.

### CMD\_USERTEMP\_EX\_RRQ

GetUserTmpEx\_BZ400 (long dwMachineNumber, BSTR dwEnrollNumber, long dwFingerIndex, long\* Flag, BYTE\* TmpData, long\* TmpLength, VARIANT\_BOOL\* pVal)

GetUserTmpExStr\_BZ400(long dwMachineNumber, BSTR dwEnrollNumber, long dwFingerIndex, long\* Flag, BSTR\* TmpData, long\* TmpLength, VARIANT\_BOOL\* pVal)

Function :

Download 10.0 fingerprint from the device, the first function, template data will be in binary, the second function will be in STRING

### CMD\_USERTEMP\_EX\_WRQ

SetUserTmpEx\_BZ400(long dwMachineNumber, BSTR dwEnrollNumber, long dwFingerIndex, long\* Flag, BYTE\* TmpData, VARIANT\_BOOL\* pVal)

SetUserTmpExStr\_BZ400(LONG dwMachineNumber, BSTR dwEnrollNumber, LONG dwFingerIndex, LONG\* Flag, BSTR TmpData, VARIANT\_BOOL\* pVal)

Function :

Upload 10.0 fingerprint to the device , the same the GET function

## CMD\_OPTIONS\_RRQ

GetSysOption(LONG dwMachineNumber, BSTR Option, BSTR\* Value, VARIANT\_BOOL\* pVal)

Function :

Read the system parameter from the device. For example: read fingerprint algorithm version

GetSysOption ( 1 , '~ZKFPVersion', strAlgVer )

## CMD\_OPTIONS\_WRQ

SetSysOption (LONG dwMachineNumber, BSTR Option, BSTR Value, VARIANT\_BOOL\* pVal);

Function :

write the system parameter from the device. For example: IP address

## CMD\_SSRDELETE\_USERTEMP

### CMD\_SSRDELETE\_USER

SSR\_DeleteEnrollDataExt\_BZ400(LONG dwMachineNumber, BSTR dwEnrollNumber, LONG dwBackupNumber)

Function :

Delete user or fingerprint in the device.

**Obs:** In dwBackupNumber, input value 12 to this parameter to delete the user and fingerprint.

## CMD\_SSRDELETE\_USERTEMP

SSR\_DelUserTmpExt([in] LONG dwMachineNumber, [in] BSTR dwEnrollNumber, [in] LONG dwFingerIndex)

Function:

Delete fingerprint in the device.

## CMD\_CLEAR\_ADMIN

ClearAdministrators([in] LONG dwMachineNumber)

Function :

Clear administrators in the device.

## CMD\_OPTIONS\_WRQ

SetDeviceCommPwd([in] LONG dwMachineNumber, [in] LONG CommKey)

Function :

Modify the communication password in the device.

#### CMD\_GET\_VERSION\_BZ400

GetBZ400FirmwareVersion(LONG dwMachineNumber, BSTR\* strVersion, VARIANT\_BOOL\* pVal);

Function:

Get the system firmware version

#### CMD\_CNTMRPRECORD

GetMRPTotal(LONG dwMachineNumber, LONG MRPTType, LONG\* Value, VARIANT\_BOOL\* pVal);

Function:

Get each kind of the MRP data total number

SetStrCardNumber(BSTR ACardNumber, VARIANT\_BOOL\* pVal)

Function:

Set a user card number to SDK

GetStrCardNumber(BSTR\* ACardNumber, VARIANT\_BOOL\* pVal)

Function:

Get a user card number from SDK

#### CMD\_UPDATEZKOSBIN

UpdateZKOS(LONG dwMachineNumber, BSTR FileName, VARIANT\_BOOL\* pVal)

Function:

Upgrade the system firmware