BioStar

Revision Notes

Version 1.93

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Version 1.93

1. Additional Functions and Improvements
    1.1. Supports the image log import for the virtual device (BioStation T2, FaceStation)
    1.2. Supports the Unlock Time and Lock Time for BioStation 2, BioStation A2, BioStation L2, and BioEntry W2
    1.3. Supports BioMini Plus 2
    1.4. Supports Microsoft SQL Server 2012 Express
    1.5. Improves user export in the Manage Users in Device dialog (Export all page or current page)
    1.6. Improves user transfer speed for FaceStation
2. Bug Fixed
    2.1. When user ID exceeds 2147483648, does not apply to the IO Board.
    2.2. Output relay does not work with below firmware version.
        - BioStation 2 V1.2.1 or later
        - BioStation A2 V1.1.0 or later
        - BioStation L2 V1.0.1 or later
        - BioEntry W2 V1.0.0 or later
    2.3. When changing a user's birthday and select another user, the birthday displays incorrectly.
    2.4. The Wiegand card does not recognize even if the Wiegand format is set on the BioStation 2, BioStation A2, BioStation L2, and BioEntry W2.
    2.5. The Wiegand Width/Interval settings display incorrectly on the BioStation 2, BioStation A2, BioStation L2, and BioEntry W2.
    2.6. BioStar server is forcefully shutdown when importing the user information from CSV file.
    2.7. An error occurs when importing the user information from CSV file if the user ID is exceeding 2147483647.
    2.8. BioStar server is forcefully shutdown when the created access group transfers to BioStation 2, BioStation A2, BioStation L2, and BioEntry W2.
    2.9. Zone does not work when connecting the private network devices to BioStar server on a public network.
    2.10. WLAN password setting does not apply.

Version 1.92

1. Additional Functions and Improvements
    1.1. New devices
        1.1.1. Supports BioEntry W2.
    1.2. Device menu
        1.2.1. Improved 'Input' tab for 2.x devices. (Adopt the "Trigger & Action" structure of BioStar 2.)

Version 1.91

1. Additional Functions and Improvements
    1.1. New devices
        1.1.1. Supports BioStation 2, BioStation A2, BioStation L2, Secure I/O 2
2. Bug Fixed
    2.1. Log
        2.1.1. Server goes down when the image log use excessive memory.

Version 1.9

1. Additional Functions and Improvements

    1.1. User view improved

        1.1.1. When viewing the list of users that are stored in the device, the users are displayed by 100 on the screen.

    1.2. Added device zone management

        1.2.1. Able to manage zone by comparing the device's zone settings with the server.

        1.2.2. Added a feature that can delete all zones set to the device.

    1.3. Improved the speed of log transferring.

    1.4. Included the USB driver that supports Windows 8.

    1.5. When transferring a user from the device to database, if the user's department doesn't exist in the database, the department automatically gets created in the database.

2. Bug Fixed

    2.1. General

        2.1.1. Error when trying to print.

        2.1.2. Misrecognized license issue.

        2.1.3. Not being able to put commas in name fields for user, device, doors, and more.

        2.1.4. Server matching failed for users registered from BioStar 1.31 or under.

    2.2. Other Language Versions

        2.2.1. Japanese: Returned incorrect results when searching user's name.

        2.2.2. Thai: Image logs stored in BioStation T2 have not appeared properly.

        2.2.3. Arabic: Search function not working properly.

    2.3. Database and SDK

        2.3.1. Server goes down when the BioStarServerConfig's number of Core is not high enough.

        2.3.2. The MAC address stored inside TB_READER from the BioStar database was displayed incorrectly.

        2.3.3. The master and slave devices sent duplicate logs when the database for BioStar is Oracle.

        2.3.4. When the collation is set to distinguish capital letters in MSSQL, some stored procedures weren't created properly.

        2.3.5. Server goes down when connecting more than 100 devices using the SDK.

    2.4. User

        2.4.1. Windows using specific languages having problems with the CSV Import.

        2.4.2. When exporting the event logs as a CSV file the Server Socket Connected log's user ID was incorrect.

        2.4.3. BioStar temporarily freezes when searching a user from the user information screen.

        2.4.4. A Custom administrator having user management as a custom level wasn't able to transfer users to the device.

        2.4.5. When a Custom administrator configures a certain access group the existing access information of other access groups were overwritten.

    2.5. Device

        2.5.1. Signal input didn't have proper limits and was able to set over 32767 ms.

2.5.2. Signal delay didn't have proper limits and was able to set over 65535 ms.

2.5.3. Identify Duress event couldn't be set to the Secure I/O's relay when configuring the output signal.

2.5.4. Lift I/O user transfer issue.

2.5.5. When choosing a device after exporting BioStation's Virtual USB Device logs, reading the device's information failed.

2.5.6. The device's information didn't appear intermittently when several slave devices are connected to one master device.

2.6. Door

2.6.1. Unable to configure the Driven By field when adding the BioLite Net to the door.

2.6.2. Error occurred when configuring the e-mail settings for the door alarm notifications.

2.6.3. Timeout error occurred when transferring user information from a server having 40 or more doors with Inside Device and Outside Device registered.

2.7. Zone

2.7.1. Error on the Entrance Limit Zone when the time is 00:00.

2.7.2. Zone not working properly when the BioStar server is installed on a PC connected to a public network and the device is installed on a private network.

2.8. Time & Attendance

2.8.1. The event disappeared when running the detail edit option twice in one cell.

2.8.2. Server goes down when generating a report.

2.8.3. The first row included a blank on the exported report CSV file.

2.8.4. The First-In Time column included a blank on the Individual Report CSV file.

2.8.5. Displays a server error message when editing the time in the Individual Report.

2.8.6. Sorting issues when exporting the Individual Report in a CSV file.

Version 1.81

1. Others
    1.1. BioStar DB Task Program removal from the BioStar 1.81 Installation Package
2. Bug Fixed
    2.1. A bug in SQL queries related to server matching functions has been resolved. The solution addresses a problem of certain users being excluded during the server matching process.
    2.2. An unexpected BioStar server crash during server matching mode was fixed.
    2.3. An unexpected BioStar server crash due to duplicate internal communication channel creation was fixed.

Version 1.8

1. User Management
    1.1. Fingerprint Tab
        1.1.1. Improved BioMini Registration Process – Real-Time Scan Images & Quality Feedback Messages
    1.2. Import from user devices
        1.2.1. Support Merge Option when importing users
    1.3. Transfer to user devices
        1.3.1. Users will be transferred when Automatic User Transferring is clicked.
    1.4. Improved user import feature
        1.4.1. Auto Mapping CSV Column by supporting as a button
        1.4.2. Added Invalid CSV Column Data Filtering feature
2. Option Menu
    2.1. Support editing e-mail body
3. Real-time monitoring
    3.1. Support showing real-time device disconnection events
    3.2. Added Events
        3.2.1. Relay Off, Unregister Card, Call Button events added
4. Devices
    4.1. Support Wiegand Custom ID setting
    4.2. Support Wiegand Card Bypass setting
    4.3. Support MTU Size settings (BioEntry Plus, BioEntry W, BioLite Net, Xpass)
    4.4. Supported newly stabilized firmware versions
        4.4.1. BioEntry Plus Firmware 1.6
        4.4.2. BioLite Net Firmware 1.4
        4.4.3. BioStation T2 Firmware 1.3
        4.4.4. BioStation Firmware 1.93
        4.4.5. FaceStation Firmware 1.3
        4.4.6. Xpass Firmware 1.3
    4.5. Time Attendance Information included in the Access Control tab is moved to the Time Attendance Settings tab (BioEntry Plus, BioEntry W, BioLite Net, Xpass, Xpass Slim)
    4.6. Added Black List feature (Xpass)
    4.7. Added LED control settings according to TTL Input (BioEntry Plus, BioEntry W, BioLite Net, Xpass)
    4.8. Support settings for the Double Authentication Mode option
5. Door
    5.1. Support the Unlock Time Trigger option
    5.2. One Door Two Device configuration connected with RS485 does not cause trigger in the slave device, and it only works when triggered by master.
    5.3. Support Minimum Input Duration option
    5.4. Support door open time settings for multiple doors

5.5. Support deleting selected multiple items in the Door/Zone list

6. Lift IO

6.1. Support relay maintenance time setting

7. Time Attendance

7.1. Support TA-supported device setting

8. Others

8.1. Server matching feature upgraded

8.1.1. Improved the Matcher feature in server matching according to number of CPU Core

8.2. Support My SQL ODBC Driver 5.2 or higher

9. Bug fixed

9.1.1. A bug that scrolling does not properly work when monitoring with Show Image Log unchecked

9.1.2. A bug that number of logs and e-mails sent are different when zone alarm occurred

9.1.3. A bug that door setting value gets output in the right list without door settings

9.1.4. Fixed a bug that reset time is input as maximum 1000 when door APB is generated, and input as maximum 100 in the local APB.

9.1.5. Fixed a bug that department name crashes depending on its length.

9.1.6. Fixed so events are output to the User ID in case of successful DHCP when checking logs after uploading device logs

9.1.7. Fixed a bug that work time is not displayed in the time attendance individual summary

9.1.8. Normally display fingerprints when changing password with fingerprint encrypted

9.1.9. Normally display 64-character department name in the basic user information window

9.1.10. Normally support face template encryption

9.1.11. Limited the length of attendance event displaying phrase in the device

9.1.12. Removed the interruption between features of Unlock, Lock, Exit Button

9.1.13. Able to normally change to Legacy in Wiegand Extended

9.1.14. Fixed so the 1:1 Security Level setting normally operates when registering Template On Card

9.1.15. Fixed a bug that the status of TA event-applied users changes when logging in to the device's administrator menu.

9.1.16. Fixed a bug that the network tab is activated when a virtual device is added.

9.1.17. Protect inputting small quotation mark on device names in the device information window

9.1.18. Fixed a bug that the 1:1 verification does not work when the User Fingerprint Template Encryption in the Option is checked.

Version 1.7

1. User Management
    1.1. Fingerprints Tab
        1.1.1. Score of fingerprint quality is displayed when scanning fingerprints.
        1.1.2. Fingerprint images are displayed and you can save them individually in your local PC.
        1.1.3. Added a function to test1:N authentication.
        1.1.4. Added a function to retain a device list for fingerprint enrollment.
    1.2. Card Tab
        1.2.1. Fixed a missing device (Xpass) from the EM card-supported device list.
        1.2.2. Duali 620 FeliCa cards are now supported.
        1.2.3. Added a function to delete a card from the list.
        1.2.4. Added a function to save the device ID for card management.
    1.3. Exporting user information to a file
        1.3.1. Added a user name to the column list.
2. Option Menu
    2.1. Added a function to add a custom holiday.
    2.2. Added a function to specify the color of text and background on any event raised by priority in the Alert Window.
    2.3. A card ID format for USB readers is now supported.
3. Real-time Monitoring
    3.1. Added a new function to upload log data from a USB device.
    3.2. A device's name and ID are now displayed in the Alert Window.
4. Devices
    4.1. You can manage devices by group.
    4.2. Lift I/O
        4.2.1. You can set the time the relay is active (1 ~ 20 seconds).
    4.3. Network
        4.3.1. BioStar now supports Maximum Transmission Unit (MTU) size for BioEntry Plus, BioEntry W, BioLite Net, and Xpass, Xpass Slim (1024 ~ 1460 bytes).
    4.4. Interphones
        4.4.1. BioStar VideoPhone is now supported for D-Station and X-Station.
5. Time and Attendance
    5.1. You can now add up to 1,024 daily schedules.
    5.2. T&A rules can be overridden.
    5.3. Reports
        5.3.1. Added a column to display break in/out times (Supported only in case T&A events are entered).
        5.3.2. Added an option to display date, and time format.
        5.3.3. Added an option to generate in/out reports.
        5.3.4. A4 or letter size paper is now supported.

5.3.5. Added a column to display overtime work.

6. Misc.

    6.1. Stabilization

        6.1.1.1. BioStarDBTask.exe: Backup or restore user and log data.

        6.1.1.2. BioStarDiag.exe: Check if BioStar database elements are successfully installed and configured.

        6.1.1.3. Enhanced a function to upload log data.

        6.1.1.4. Reduced the delay time to upload log data when BSServer.exe is restarted.

        6.1.1.5. Reduced the load on the tables that are currently in use by splitting event log tables and moving the log data earlier than today to TB_EVENT_LOG_BK.

        6.1.1.6. Enhanced features of RS-485 timeout.

        6.1.1.7. You can check for the format of fingerprint template of a device when scanning fingerprints.

    6.2. Bug Fixes

        6.2.1. Server matching did not work properly when configuring fingerprint encryption.

        6.2.2. Disabled the Disarm option for FaceStation.

        6.2.3. The departments with access rights were not successfully deleted.

        6.2.4. The administrator can now add up to four grouping levels when granting access to users in a department group.

        6.2.5. You are supposed to add up to 32 holidays, but every time you logged out and then logged back in, you could add one more holiday.

        6.2.6. Fixed errors that occurred while a user with full access to the menu is transferring data to a device.

        6.2.7. Fixed some bugs with the 1:1 Security Level option in the User > Fingerprint tab.

        6.2.8. Fixed some problems with file I/O while transferring user information when the sensor is turned on due to the bugs in the function to disable a device list.

        6.2.9. Fixed some bugs in the images received from an IP camera connected to FaceStation. They appeared rotated 270 degrees.

        6.2.10. Fixed problems in communicating with devices after BioStar program was installed on Windows 7 (32-bit or 64-bit platforms) due to firewall settings.

        6.2.11. Fixed some problems that occurred while changing and refreshing a user's name in the User tree when Oracle database is used.

        6.2.12. A department could not have the same name as a user name.

        6.2.13. Fixed some problems with video player in the NVR settings.

        6.2.14. BioStar was terminated abnormally when more than two cameras were connected to AXIS NVR and discovered.

        6.2.15. The database was not upgraded properly from versions of BioStar earlier than 1.52 to 1.62.

        6.2.16. BioStar could not properly save fingerprint templates in a device after it had transferred user information with more than three templates to a BioEntry Plus device.

        6.2.17. BioStar could not properly save fingerprint templates in a device after it had transferred user information with more than six templates to a BioStation device.

        6.2.18. Fixed some minor bugs in the camera details window.

        6.2.19. Fixed some minor bugs in BioStation T2 and FaceStation.

Version 1.62

1. User Management

    1.1. Fingerprint Tab

        1.1.1. USB Reader can select Fingerprint Quality.

    1.2. Face Management Tab

        1.2.1. Register up to 5 faces for an individual in BioStar

    1.3. User Information Transfer

        1.3.1. Transfer up to 5 registered faces to FaceStation devices with F/W version 1.2 or greater.

        1.3.2. Error Correction – Fingerprint Encryption Setting

        1.3.3. The user list of Manage Users in Device can be exported to CSV file.

        1.3.4. After the user is sent to the FaceStation, user registration status query are supported.

        1.3.5. When importing user information from the FaceStation, if the template information is corrupted, the error notification window is displayed.

        1.3.6. Integrity checks are performed for the face template using Checksum Tag.

2. Option Menu (Title Menu)

    2.1. User

        2.1.1. Support Personal Information Encryption.

    2.2. Card

        2.2.1. Support validation checks for MIFARE SiteKey.

3. Database Update

    3.1. "DBSetup.exe" has been updated to convert the old database into the new format.

4. BioStar Server Update

    4.1. BioStar SE Software Licensing has been added to the server program.

Version 1.61

1. Support BioEntry W
2. Etc
    2.1. Bug fixed
        2.1.1. Error Correction – oracleInstallManager.dll's query error.

Version 1.6

1. Support FaceStation
    1.1. Support FaceStation, which has Face Authentication.
        1.1.1. FaceStation supports Face Authentication, and Card Authentication. FaceStation saves the Image log of the authentication.
2. User Management
    2.1. Face tab divided into Face tab and Face(Fusion) tab
        2.1.1. Face tab is for FaceStation
        2.1.2. Face(Fusion) tab is for D-Station
    2.2. Face Management Tab
        2.2.1. Support User's Face Capturing and Registering for FaceStation
    2.3. Bug fixed
        2.3.1. Error correction - saving 1:1 Security Level
3. Door/Zone Management
    3.1. Bug fixed
        3.1.1. Error correction – deleting zone.

Version 1.52

1. Support Xpass Slim
2. Support LIFT I/O
3. Support LIFT
4. Upgrade Monitoring
   4.1. Non- attendance employee displays in Roll Call Report
5. User Management
   5.1. Support 7 bytes card reading – Card ID (4) + Custom ID (3)
   5.2. Notice BioStar Client when User Information changes
   5.3. Bug fixed
      5.3.1. Corruption update during template transfers
      5.3.2. Error correction - exceeding of 32 devices exist in Access Group
      5.3.3. Filtering invalid fingerprint template
      5.3.4. Error correction – Customer File excludes during export CSV file

Version 1.5

1. Support BioStation T2
2. Add Camera feature
    2.1. IP camera still image, real-time video search, PTZ control
    2.2. NVR(Network Video Record) server connection
        2.2.1. Search video image log connected to NVR
3. User Management
    3.1. Support up to 10th fingerprint template registration
    3.2. Bug fixed
        3.2.1. Fixed to return minimum not used UserID if exceeding "4294967295" ID number when adding the new user
4. Option Menu
    4.1. Event
        4.1.1. Support port setting of email
5. **T&A Management**
    5.1. Bug fixed
        5.1.1. Fixed to supported upload-log from D-Station and X-Station in the T&A Report Dialog.
        5.1.2. Fixed to supported T&A report for the User ID exceeding 2147483647.
6. Etc
    6.1. Bug fixed
        6.1.1. Fixed to differentiate between Xpass & BioEntry Plus when detecting a device at BioStar Server Config

Version 1.36

1. Option Menu (Title Menu)
    1.1. Fingerprint
        1.1.1. Support ANSI378 Format on Template Format.
2. Door/Zone Management
    2.1. Interlock zone
        2.1.1. Support for Interlock zone option to provide a interlock between two doors.
3. Device Management
    3.1. Xpass
        3.1.1. Support Data card feature.

Version 1.35

1. Supports X-Station

    1.1. Supports X-Station Mifare, an IP-based access reader/controller designed specifically for use with RF cards and PIN. It has an option of recording face image logs upon authentication.

2. Administrator menu

    2.1. Supports tracking access log to BioStar by an admin, an operator and a user. History check of account creation/delete/access right changes is also available.

3. User Management

    3.1. Displays Department information up to four levels, when import or export user list in CSV file.

    3.2. Add the "Template Num" column on the user list to show number of template by each user.

    3.3. Bug fixed

        3.3.1. Fixed Mifare card to read CSN without card format.

4. Device Management

    4.1. Adds the interphone setup option for BioStation and D-Station.

5. Monitoring

    5.1. Adds "Profile Image Setting" to show profile image of a user upon authentication success.

    5.2. Supports scanning an image log by time and other conditions.

6. T&A Management

    6.1. Expands Daily Schedule configurable up to 256 from 128 in previous.

    6.2. Displays a sum of individual late/early leave within a given period.

Version 1.31

1. Support a new device, BioEntryPlus-iCLASS

    1.1. Support iCLASS Card.

    1.2. Support Felica Card.

    BioEntryPlus-iCLASS supports set up the Site-Key and the Card-Layout. It can read iCLASS CSN and iCLASS Template.

2. Option Menu (Title Menu)

    2.1. iCLASS Card

    2.1.1. support iCLASS Sitekey

    2.1.2. support iCLASS Layout

3. Door/Zone Management

    3.1. Muster zone

    3.1.1. All Muster Zone, Access Control, User status Display.

    3.1.2. The real-time status is displayed of which is Selected Muster Zone, Access Control and User display.

    3.1.3. Support each list of Safe, Missing, if you want.

    3.2. Zone Exception Treatment

    3.2.1. Display alarms when more than 64 devices are added.

    3.2.2. Display alarms when more than 64 zones are added.

4. User Management

    4.1. Card Tab

    4.1.1. Support iCLASS CNS. (Read)

    4.1.2. Support iCLASS Template. (Read/Write/Format)

5. T&A Management

    5.1. Expand up to 64 Time Category

    5.2. Expand up to 128 Daily Schedule

Version 1.3

1. Support a new device, D-Station

    1.1. Support D-Station, which has Dual-Fingerprint Sensor Mode and Fusion Face Authentication.

    D-Station supports Fast/Fusion/Twin Modes Authentication, and Fusion Face Authentication. D-Station saves the Image log of the authentication.

2. Door/Zone Management

    2.1. Support for Muster zone option to provide a real-time monitoring of user's emergency escape.

3. User Management

    3.1. Face Management Tab

        3.1.1. Support User's Face Capturing and Registering

    3.2. Card Management

        3.2.1. Support new device for PC Smart Card Reader, Duali's DE-620 model.

4. Device Management

    4.1. Camera Tab

        4.1.1. Set the event in when D-Station save the image log.

5. Monitoring

    5.1. Support for the image log view option to provide a real-time monitoring of D-Station's image log.

    5.2. Support scanning image log by time and other conditions.

6. Database

    6.1. Support new functions to change the database name during installation by DBSetup.exe file. User can modify the database names to choose the database which should be used in the BioStar.

    6.2. Bug fixed

        6.2.1. Fixed duplicate log files place in the MySQL and Oracle Database.

    6.3. USB Driver

        6.3.1. Support the BioStation USB Driver for Windows 7

Version 1.26

1. Support Visual Map
    1.1. Visualize the actual status of the doors, making possible a real time monitoring.
    1.2. Doors Control : Open Door / Close Door / Setup Door
2. Administrative Levels: Improved Custom administration level functions
    2.1. Provide privileges to specific User Department for "All Rights, Modify, or Read" functions
    2.2. Provide privileges to Specific Device "All Rights, Modify, or Read" functions to be able to control only the Device, Door, Zone.
3. User Management
    3.1. Find User : Add Searching by Card ID.
    3.2. Card Management : Add UI for checking Start Date/Expiry Date/Admin Level when issuing Mifare Template Card .
    3.3. Device Management
    3.4. Support Xpass EM and Xpass HID
    3.5. Add "Check Fake Finger" option.
    3.6. Bug fixed
    3.7. Problem in Apply to Others function in BioStation. While sending the Sound, Background Image File to several devices, only one received it .
    3.8. Problem while searching the BioLite Net as TCP and after changing the Network Field, the Network Settings were not saved.
4. T&A Management
    4.1. Bug fixed
        4.1.1. Taking as Standard the GMT time, in countries when the time is minus (-), while Detailed Editing the log was delayed by one day.

Version 1.25

Release: 2009-11-25

1. Support a new device, Xpass

    1.1. Support Xpass, which is an IP-based access reader/controller designed specifically for use with RF cards without fingerprint having an outstanding feature of POE(Power over Ethernet) and waterproof (IP65) for outdoor use.

2. Device Management

    2.1. BioEntry Plus : Support selecting LAN speed between 10-Base-T limited mode and auto-negotiation mode.

    2.2. BioLite Net : Support selecting LAN speed between 10-Base-T limited mode and auto-negotiation mode.

3. Door/Zone Management

    3.1. Add relay configuration not only by [open period] but by [sensor status] to support turnstile and revolving gate.

    3.2. Enhance alarm zone especially for integration with external alarm system

        3.2.1. Support external arm/disarm input

        3.2.2. Support external arm/disarm status output

        3.2.3. Support monitoring external sensor input to determine validity of arming action

4. T&A Management

    4.1. Bug fixed

        4.1.1. Failure to sort report rows by ID or times

5. Database

    5.1. Support converting RF card information from BioAdmin DB into BioStar DB

                5.1.1.1.1. (BADBConv)

Version 1.21

1. Device Management

    1.1. BioEntry Plus : Display/Sound Tab to configure LED & Buzzer per event added

    1.2. BioLite Net : Display/Sound Tab to configure LED & Buzzer per event and custom language feature added

    1.3. BioStation : Fast ID Matching feature in operation mode added

2. T&A Management

    2.1. Support both Late-In & Early-Out separately generate in result field of T&A report (Previous: Generate Early-Out result only by priority)

    2.2. Bug fixed

    2.2.1. Failure to increase WorkTime of report in specific case (Check Rebuild option and Update Report to be normal)

    2.2.2. Failure not to save editing work time per Time Category while initially installing BioStar V1.2 without installing previous BioStar version.

3. Database

    3.1. Support Oracle

    3.2. Bug Fixed - Some problems were fixed which were occurred under Mysql circumstance.

Version 1.2

Release: 2009-06-12

1. Supports T&A(Time and Attendance) Management
    1.1. T&A rule setup by user-defined time category, daily schedule, and shift
    1.2. T&A report can be exported or printed
    1.3. Holiday rules supported
    1.4. Private leave management supported
    1.5. Graphical monitoring of T&A events by IO Board
2. Device Management
    2.1. Incorporates 3rd party RF device via 'extended' wiegand mode
    2.2. Card ID preprocessing supported
    2.3. T&A configuration added
    2.4. Bug fixed – Failure while initializing password in server-mode device
3. User Management
    3.1. T&A configuration added
4. Door/Zone Management
    4.1. Supports including 3rd RF device in a door
    4.2. Supports including 3rd RF device in a zone
5. Monitoring
    5.1. Display device name and T&A event in realtime monitoring and log list view

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Version 1.1

1. Support a new device, BioLite Net
2. User Management
   2.1. Faster transfer of user information from a remote server to client PCs
   2.2. User List can be sorted by each field like UserID, Name, etc.
   2.3. User List now shows Access Group, Card ID, and Bypass information
   2.4. New user shall be assigned Start Date as 01/10/2001 instead of current date.
3. Door/Zone Management
   3.1. In Option-Event-Alarm Setting, a play count is added to set the number of repetition of Program Sound. A stop button is also added to turn off alarm event in real time monitoring window.
   3.2. In Anti-passback or Entrance Limit zone operations, master devices makes a decision to open a door or not. An option is added whether to allow a slave device to make a local decision in case of communication failure between master and slave devices.
4. Access Control
   4.1. In Time Zone setting, time can be set manually by digit numbers.
5. Etc
   5.1. Bug fixed – In previous version, some passwords didn't work for lock/unlock devices (Option – Device – Automatic Locking). This bug is now fixed.
   5.2. Bug fixed – In previous version, a change of server connection port (default: 1480) was not stored and reset when restarting BioStar. This bug is now fixed.
   5.3. In migration of database from BioAdmin to BioStar using BADBConv software, one can simply select the folder of mdb file. In previous version, this job was possible only on a PC with BioAdmin installed. Now, only a DB file is needed.
   5.4. In the database of BioStar, "nTNAEvent"field is added. This field contains T&A event data received by devices. Though the current version of BioStar doesn't support time & attendance functions, it is possible to build time & attendance applications by accessing the BioStar database directly.

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1. Created.