
## <Top 7 Q&A List>

**Q.1) Could you kindly provide a document stating what are the things to take note, pros & cons when upgrading to the latest firmware?**
For the document, you can find that from the release note. Plus, we will make more technical part by July. Feature-wise, all the features are available with the latest FW.
If you just talking about security, the device can be used more securely.
The cons, it takes some time for migration, and if you downgrade, all information will be deleted.

**Q.2) Is there a way to disable encryption on the latest FW that supports encryption?**
No, we do not have that.
If sure asking to get information through BioStar 2 or and SDK everything will be decrypted sent through the TCP which is also encrypted and you will be able to receive the information so definitely there is no option to turn this off.

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**Q.3) Does the migration process mean a FW upgrade? Or, is the migration process that we can do whenever we want to enable by running a SW or using an option in the device menu?**
Migration process means that the internal data such as user and log are encrypted from the former version to the recent version. Please refer the FW list from the below table.
Upgrading FW means you will do the migration process, but this is a one-time thing.
Once you have done migration, and if you go further then there will be no more migration.

| Device | Migration |
|---|---|
| BioStation 2 | V1.9 |
| BioStation A2 | V1.8 |
| BioStation L2 | V1.6 |
| BioEntry W2 | V1.5 |
| FaceStation 2 | V1.4 |
| CoreStation | V1.4 |
| BioEntry P2 | V1.4 |
| BioEntry R2 | V1.4 |
| BioLite N2 | V1.3 |
| XPass D2 | V1.3 |
| FaceLite | V1.2 |
| XPass 2 | V1.2 |

[Supported FW list – Enhance Security]

**Q.4) What is the impact of BioStar 2 when the option "Encrypt personal data on the database" is used while upgrading and downgrading of device FW?**
There is no impact on this.
The reason is this once even though it stored as encrypted when we communicated through protocol and we have to send data it's decrypted from the device. And its while it seems through TCP/IP in a packet everything is encrypted again using AES 256 or it can use TLS and then once it arrives server it will be decrypted using the key has been exchanged and then when we have to store on the BioStar 2 server depending on the option of using the encryption on the BioStar 2, it will encrypt it again, install on DB or it just store right away.

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**Q.5) If we decide not to use DB encryption on BioStar v.2.8.x, the upgraded FW devices will still encrypt the data inside their flash memories?**
Yes, that is correct.
Regardless of the software version, once you have the version of firmware that forced encryption, it will be encrypted no matter what.

**Q.6) This new APB is enabled and applied to doors without door sensor or one door with a door sensor, while the other is without, how will it operate?**
It is going to be provided as an option.
So, you have to enable the enhanced APB, and it has to have a door sensor.
If it does not have the door sensor, you have to use it with the legacy APB which will be provided as an option.
If you do not have a door sensor, you have to use the original one.
This is an option for the door or its option inside the zone. If you have the door sensor, definitely we recommend using the enhanced version.

**Q.7) What encryption type do BioStar 2 and BioStar 2 Device support?**
We are using AES 256 for encryption of general information stored inside the device.
In the case of PIN, SHA 256 is used for encryption.
[BioStar 2] Personal Information and Communication Security / Encryption / TLS

<End of Document>

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