

## NY3P(B) OTP Application Notice

**Description:** When NY3(B)\_FDB Demo Board downloads the .bin files of NY3P(B) OTP, the outcomes sometimes may occur the incomplete sound playbacks or malfunctions.

**Reason:** Due to the ROM Size of NY3(B)\_FDB is designed via the spec of MaskROM IC, the maximum ROM Size of NY3(B)\_FDB is consistent with each MaskROM maximum voice duration. To fully demo each MaskROM maximum voice duration, NY3P(B) OTP is designed to have longer voice duration that is over the maximum voice duration of MaskROM. Therefore, ROM Size of OTP ICs is over MaskROM IC, ROM Size of OTP ICs is also over NY3(B)\_FDB. [When the used ROM Size of NY3P\(B\) OTP is over the maximum MaskROM IC body, it may lead to NY3P\(B\) functions can't be demo completely by NY3\(B\)\\_FDB.](#) If the used Rom Size of NY3P(B) OTP is not over the maximum voice duration of MaskROM, NY3P(B) functions can be fully demo by NY3(B)\_FDB.

**Solution:** [When the used ROM Size is over the maximum voice duration of IC body, please download files to NY3P\(B\) OTP for rechecking functions.](#)

**Note:** The following table shows the IC body of MaskROM that might over ROM Size as NY3(B)\_FDB D downloads the .bin files of NY3P(B) OTP.

NY3(B)	NY3(B)_FDB vs. the maximum MaskROM IC		OTP IC over MaskROM IC	
	Max. IC Body	Max. ROM Size	OTP Body	Max. ROM Size
NY3A(B)	NY3A012B/ NY3A012E	12000H (12.29s)	NY3P016B	1DF00H (20.44s)
NY3B(B)	NY3B021B/ NY3B021C	1F800H (21.50s)	NY3P035B	3DF00H (42.28s)
NY3C(B)	NY3C065B	5FC00H (65.37s)	NY3P065B	7DF00H (85.97s)
NY3D(B)	NY3D115B	A6C80H (113.86s)	NY3P115B	B18CCH (121.21s)