



APPENDIX

End of Life Product			Replacement Product(s)	
DS 16F LOUDSPEAKER		EOL Date	FS2C LOUDSPEAKER	
DS16F White	43054	7/19	FREESPACE FS2C PAIR WHT	841154-0210
DS16F Black	43053	7/19	FREESPACE FS2C PAIR BLK	841154-0110
DS16F Voice Alarm White	352419-0210	7/19	FREESPACE FS2C PAIR WHT (EN54-24) (available in 2-3 months after initial regional availability)	841154-0410
			FREESPACE FS2C PAIR BLK (EN54-24) (available in 2-3 months after initial regional availability)	841154-0310
DS 16F ACCESSORIES			FS2C ACCESSORIES	
Plenum Cover for DS 16F	31144	7/19	No longer required, FS2C has plenum metal backcan	
Model 16/DS 16F tile bridge (6-pack)	29830	7/19	FREESPACE FS2C ADJ TILE BRIDGE 6 PACK	841162-0010
Model 16/DS 16F rough-in pan (6-pack)	29831	7/19	DESIGNMAX DM2C ROUGH-IN KIT 6 PACK (also fits FS2C)	815009-0010
M16 TILE BRIDGE 6 PK - EUROPE	33680	4/28	FREESPACE FS2C ADJ TILE BRIDGE 6 PACK	841162-0010
DS 16F adjustable tile bridge (pair)	323204-0010	7/19	FREESPACE FS2C ADJ TILE BRIDGE 6 PACK	841162-0010
Model 16/DS 16F retrofit kit (6-pack)(WHT)	30096	7/19	FREESPACE FS2CRFK RETROFIT KIT PAIR WHT (large hole and DS 16F sized ring)	842864-0210
			FREESPACE FS4CERFK RETROFIT KIT PAIR BLK (large hole and DS 16F sized ring)	842866-0110
			FS2P LOUDSPEAKER	
Model 16/DS 16F pendant-mount kit (single) (White)	30095	7/19	FREESPACE FS2P PAIR WHT LOUDSPEAKER	841153-0210
Model 16/DS 16F pendant-mount kit (single) Black	30094	7/19	FREESPACE FS2P PAIR BLK LOUDSPEAKER	841153-0110
DS16F Voice Alarm White w/ Pendant Kit		7/19	FREESPACE FS2P PAIR WHT (EN54-24) (2-3 months after initial regional availability)	841153-0410
			FREESPACE FS2P PAIR BLK (EN54-24) (2-3 months after initial regional availability)	841153-0310
DS 40F / DS 100F LOUDSPEAKER			FS4CE LOUDSPEAKER	
DS40F LDSPKR White	321278-0231	7/19	FREESPACE FS4CE PAIR WHT (OUTDOOR)	841156-0210
DS40F LDSPKR Black	321278-0131	7/19	FREESPACE FS4CE PAIR BLK (OUTDOOR)	841156-0110
DS40F VA LDSPKR ASSY White	321278-0251	7/19	FREESPACE FS4CE PAIR WHT (EN54-24) (2-3 months after initial regional availability)	841156-0410
DS40F VA LDSPKR ASSY Black	321278-0151	7/19	FREESPACE FS4CE PAIR BLK (EN54-24) (2-3 months after initial regional availability)	841154-0310
DS40F LDSPKR 8 OHM White	321278-0241	7/19	Not replaced	
DS40F LDSPKR 8 OHM Black	321278-0141	7/19		
DS100F White	40805	7/19	DESIGNMAX DM5C PAIR BLK	829683-0210
DS100F Black	40804	7/19	DESIGNMAX DM5C PAIR WHT	829683-0110
DS100F Voice Alarm White	352421-0210	7/19	FREESPACE FS4CE PAIR WHT (EN54-24)	841156-0410
			FREESPACE FS4CE PAIR BLK (EN54-24)	841154-0310



DS 40F / DS 100F ACCESSORIES			FS4CE ACCESSORIES	
DS 40F/DS 100F tile bridge (6-pack)	41864	7/19	FREESPACE FS4CE ADJ TILE BRIDGE 6 PACK	841161-0010
Rough-In Pan for DS 40F, DS 100F	41993	7/19	DESIGNMAX DM5C ROUGH-IN KIT 6 PACK (also fits FS4CE)	829724-0010
Adjustable Tile Bridge for DS 40F, DS 100F	323205-0010	7/19	FREESPACE FS4CE ADJ TILE BRIDGE 6 PACK	841161-0010
Pendant Mounting Kit for DS 40F, DS 100F White	41863	7/19	FREESPACE FS2P PAIR WHT includes gripple suspension cable	841153-0210
Pendant Mounting Kit for DS 40F, DS 100F Black	41862	7/19	FREESPACE FS2P PAIR BLK includes gripple suspension cable	841153-0110
Retrofit Kit for DS 40F, DS 100F	716018-0010	7/19	FREESPACE FS2CRFK RETROFIT KIT PAIR WHT (large hole and DS 40F sized ring)	842864-0210
			FREESPACE FS2CRFK RETROFIT KIT PAIR BLK (large hole and DS 40F sized ring)	842864-0110
ALL MODELS FLUSH ACCESSORIES			ALL MODELS IN-CEILING ACCESSORIES	
Square grille (pair) White	323207-0210	7/19	Not replaced	
DS 16SE LOUDSPEAKER			FS2SE LOUDSPEAKER	
DS16SE White	295365-0040	7/19	FREESPACE FS2SE PAIR WHT	841151-0210
DS16SE Black	295365-0030	7/19	FREESPACE FS2SE PAIR BLK	841151-0110
DS16SE Voice Alarm Black	352416-0130	7/19	FREESPACE FS2SE PAIR WHT	841151-0410
DS16SE Voice Alarm White	352416-0230	7/19	FREESPACE FS2SE PAIR BLK	841151-0310
DS 16SE ACCESSORIES			FS2SE ACCESSORIES	
DS16SEAG Aluminum Accessory Grill for DS 16SE White	718192-0210	7/19	FREESPACE FS2SE ALUMINUM GRILLE PAIR WHT	841158-0210
DS16SEAG Aluminum Accessory Grill for DS 16SE Black	718192-0110	7/19	FREESPACE FS2SE ALUMINUM GRILLE PAIR BLK	841158-0110
Wall-mount bracket assembly (single) White (stronger)	315253-002	7/19	DM PAN &TILT BRKT SMALL WHT (Vertical Installs with Pitch)	799376-0210
Wall-mount bracket assembly (single) Black (stronger)	315253-001	7/19	DM PAN &TILT BRKT SMALL BLK (Vertical Installs with Pitch)	799376-0110
DS 40SE/ 100SE LOUDSPEAKER			FS4SE LOUDSPEAKER	
DS40SE White	321279-0210	7/19	FREESPACE FS4SE PAIR WHT	841155-0210
DS40SE Black	321279-0110	7/19	FREESPACE FS4SE PAIR BLK	841155-0110
DS40SE Voice Alarm White	321279-0230	7/19	FREESPACE FS4SE PAIR WHT VA	841155-0410
DS40SE Voice Alarm Black	321279-0130	7/19	FREESPACE FS4SE PAIR BLK VA	841155-0310
DS100SE White	40807	7/19	DESIGNMAX DM5SE PAIR WHT	829705-0210
DS100SE Black	40806	7/19	DESIGNMAX DM5SE PAIR BLK	829705-0110
DS100SE Voice Alarm White	352422-0210	7/19	FREESPACE FS4SE PAIR WHT VA	841155-0410
DS100SE Voice Alarm Black	352422-0110	7/19	FREESPACE FS4SE PAIR BLK VA	841155-0310



DS 40SE/ 100SE ACCESSORIES			FS4SE ACCESSORIES	
FS DS 40SE LDPSKR W CEILING BRKT WHITE	n/a		CEILING MOUNT BRACKET S2 WHT + FREESPACE FS4SE PAIR WHT	852581-0210 + 841155-0210
FS DS 40SE LDPSKR W CEILING BRKT BLK			CEILING MOUNT BRACKET S2 BLK + FREESPACE FS4SE PAIR BLK	852581-0110 + 841155-0110
FS DS 100SE LDPSKR W CEILING BRKT WHITE	294955-0210	7/19	CEILING MOUNT BRACKET S2 WHT + DESIGNMAX DM5SE PAIR WHT	852581-0210 + 829705-0210
FS DS100SE LDPSKR W CEILING BRKT BLACK	294955-0110	7/19	CEILING MOUNT BRACKET S2 BLK + DESIGNMAX DM5SE PAIR BLK	852581-0110 + 829705-0110
DS40SEAG Aluminum Accessory Grill for DS 40SE White	718193-0210	7/19	FREESPACE FS4SE ALUMINUM GRILLE PAIR WHT	841159-0210
DS40SEAG Aluminum Accessory Grill for DS 40SE Black	718193-0110	7/19	FREESPACE FS4SE ALUMINUM GRILLE PAIR BLK	841159-0110
DS100SEAG Aluminum Accessory Grill for DS 100SE Black	718194-0110	7/19	Not replaced	
DS100SEAG Aluminum Accessory Grill for DS 100SE White	718194-0210	7/19		
ALL MODELS SURFACE ACCESSORIES			ALL MODELS SURFACE ACCESSORIES	
Ceiling-mount bracket White	716377-0210	7/19	Ceiling Mount Bracket S2 WHT for FS2SE and FS4SE and works with DesignMax DM2S, DM3SE, DM5SE, DM6SE	852581-0210
Ceiling-mount bracket Black	716377-0110	7/19	Ceiling Mount Bracket S2 BLK for FS2SE and FS4SE and works with DesignMax DM2S, DM3SE, DM5SE, DM6SE	852581-0110
Ceramic terminal and thermal fuse kit (10-pack)	326668-0010	7/19	FreeSpace ceramic terminal w/fuse kit (10-pack)	852552-0010
In-wall junction box (6-pack) White	41868	7/19	No longer required	
In-wall junction box (6-pack) Black	41867	7/19	No longer required	
On-wall junction box (6-pack) White	41866	7/19	No longer required	
On-wall junction box (6-pack) Black	41865	7/19	No longer required	
Pole-mount kit (single) White	323208-0210	7/19	Not replaced	
Pole-mount kit (single) Black	323208-0110	7/19	Not replaced	
Trim plate kit (single) White	315266-002	7/19	No longer required	
Trim plate kit (single) Black	315266-001	7/19	No longer required	

FAQ

Why did Bose Professional End of Life FreeSpace DS and come out with FreeSpace FS?

The 70/100V tap settings of the FreeSpace FS Loudspeakers has been designed to match that of the DS 16 and DS 40 models. FreeSpace FS dealer pricing is lowered from FreeSpace DS pricing. DesignMax DM5 models are an acceptable substitute for DS 100 in projects. Please visit pro.bose.com for FreeSpace FS and DesignMax DM design support files including 2D/3D CAD files, Technical Data Sheets, BIM/Revit objects and more. Bose Professional DSP and Smart Amplifier products have been updated to include EQ files, and SmartBass for FreeSpace FS loudspeakers. This includes a hardware update to the IZA amplifier dipswitches that is detailed in a separate IZA bulletin. A DS to FS Loudspeaker conversation guide is available at pro.bose.com on the FreeSpace loudspeaker page, and an interactive FS loudspeakers overview is available to all users at proedu.bose.com.

The product update initiative to replace DS models with FS models was done in order to make often requested updates. These include mechanical changes, such as front baffle wiring and metal backcans on in-ceiling models, Euroblock wiring connection and removeable logos on all models, and improved design aesthetics on surface-mount models. These updates also allow dealer price reductions, reductions and utilize new plastic materials resistant to hydrocarbons for cooking oil environments and to make some frequently requested updates. This change also allows us to simplify our product catalog and increase rapid stock availability while preserving project suitability.



What safety agency compliances do the FS have? Do they have EN54-24?

FS models shipping starting in April 2020 have UL 1480 fire & evac and UL 2043 compliance. If you only need UL 1480, or don't need any compliance, you can use any FS product. Beginning in July and ending in September 2020 we will be transitioning the FS products to newer SKU versions that adds the EN54-24 certification. If you have a project that requires EN54-24, please be sure to order the new SKUs ending in -0410 (white) and -0310 (black). See the table in the index for additional information.



Does FreeSpace FS feature special VA models for EN54-24?

FreeSpace FS does not currently have EN54-24 certification. We are adding this certification to all models in July-September 2020. This will not be a separate SKU but a product update.

Do FreeSpace FS In-Ceiling loudspeakers include the tile-bridge in the box?

No, the tile-bridge or rough-in pan can be purchased as an accessory 6-pack kit. If a project requires the tile-bridge in the loudspeaker box, we do have DesignMax loudspeakers available that include the tile-bridge in the loudspeaker box.

I currently order DS loudspeakers, what exact model do I order after FreeSpace DS is discontinued?

Please utilize the [conversion guide](#) on pro.bose.com in loudspeakers > FreeSpace.

Can you explain the various installed background loudspeaker lines at Bose Professional?

Bose will have 2 loudspeaker families covering this market.

FreeSpace FS is a high-quality and effective solution for voice and background music and includes Life Safety UL1480 fire and evacuation certification.

DesignMax delivers outstanding audio and aesthetics for any commercial space, most models have high-frequency drivers, and all models feature the QuickHold mounting system for faster installations. They include UL1480A certification for commercial and professional use.

Do I need to use safety cables when installing FreeSpace FS models in cooking oil environments?

No, because the plastic materials used in FreeSpace FS provides added resistance to cooking oils. The FreeSpace FS loudspeakers do have safety-cable attachment points, and these attachment points can be used with contractor-provided safety cables when safety cables are required by local-building codes or installer preference.

Does the launch of FreeSpace FS mean that DesignMax loudspeakers are discontinued?

No, the FreeSpace FS loudspeakers provides a tier of pricing and performance below DesignMax.

Are you going to make more pendant loudspeakers to replace the DS pendant kits?

The FreeSpace FS line already includes the FS2P, which is comparable to the DS 16F in a pendant configuration, but with significantly easier installation and improved appearance. We do expect to continue to expand our Installed Sound offering over time.

Is the cosmetic and outdoor performance from FreeSpace FS Outdoor E models similar to how the DS SE models performed?

Yes, FreeSpace FS E outdoor models also ship with a steel, UV-Fade resistant, coated grille for outdoor performance. For more harsh environments, Bose Professional offers Aluminum Grille accessory replacements that are 5052 aluminum alloy, hardcoat anodized with a powder coat finish. Bose Professional has also extended its outdoor options by adding an outdoor rated In-Ceiling model with the FS4CE.

Can FreeSpace FS loudspeakers be painted?

In Life Safety UL1480-2016 fire evacuation systems and EN54-24 voice alarm systems, FreeSpace FS cannot be painted. However, when used in background music systems that are not life safety fire evacuation or voice alarm systems, the loudspeakers can be painted. The reason DO NOT PAINT is written on the loudspeakers and in the manual is to advise installers and maintenance personnel in life safety fire evacuation and voice alarm system applications of this requirement.

In what specific ways are FreeSpace FS similar to FreeSpace DS?

FreeSpace FS features the same tap settings as FreeSpace DS 16 and DS 40 models – therefore designers can use the same design principles.

The in-ceiling installation experience of FreeSpace FS is similar to DS, with a friction fit grille and standard mounting anchors.

In what specific ways are FreeSpace FS different than FreeSpace DS?

The surface FreeSpace FS models have an updated installation process with a U-bracket with repeatable angles that attaches with screws. Junction boxes are not attached directly to the loudspeaker with FS. The FreeSpace FS2 models that replace the DS 16 models are compact and smaller in enclosure size. FreeSpace FS loudspeakers have an updated enclosure appearance: the in-ceiling plastic rim (bezel) is smaller than the DS and the surface enclosures are a new updated design.

All FreeSpace FS features Euroblock connectors.

All FreeSpace FS models feature removable Bose logos that don't leave a hole when removed.

In-ceiling FreeSpace FS in-Ceiling models feature front access audio connections.

FreeSpace FS features the FS2P dedicated pendant model.

FreeSpace FS features the FS4CE outdoor rated In-ceiling model.

How is FreeSpace FS similar to DesignMax?

Both families feature euroblock 6-pin connectors on all models.

Both families have removable Bose Logos

How is FreeSpace FS different than DesignMax?

FreeSpace FS are all full-range loudspeakers, DesignMax are mostly 2-way designs with high-frequency drivers.

DesignMax features the Dispersion Alignment system for wide and consistent coverage.

DesignMax has the QuickHold mounting system for faster installations on in-ceiling and surface models

DesignMax has premium aesthetics, including premium grille designs, magnetic grille attachment and hidden U-brackets on surface models.

DesignMax includes the tile-bridge in the box with purchase for in-ceiling models

FreeSpace FS are life safety UL1480 certified for use in fire evacuation systems when needed.

DesignMax is UL1480A certified for commercial and professional use.

Can I mix DesignMax and FreeSpace FS in the same project?

Yes, due to a variety of aesthetic similarities and EQ considerations. DesignMax surface and FreeSpace FS surface have the same general enclosure shape, the same Bose logos, and the same color pantones. The main difference is that the U-bracket is external on FS models. Ceiling models have the same Bose logo



and color pantones as well, however a different grille pattern. FreeSpace FS and DesignMax Bose EQ voicings were developed with consideration for mixed DesignMax and FreeSpace FS systems, and both lines of loudspeakers have SmartBass support.

Does the new FS range have a smaller plastic rim (bezel) on In-ceiling models like the DM range?

The plastic rim (bezel) is smaller than DS 16F and 40F but not as small as the DesignMax range. FreeSpace DS Flush previously had an approximately 22 mm plastic rim (bezel) which is now approximately 16 mm on FS2C and FS4CE.

Can new FS models be used with existing DS pendant kits?

No, currently the pendant kits will be discontinued at the same time as DS loudspeakers per region and cannot attach to FS loudspeakers due to different dimensions.

Are FreeSpace FS the same color pantones/RAL colors as FreeSpace DS?

Yes. Like FreeSpace DS, the new FS models include white models that are Bose Artic White, which is similar to RAL 9003, and Black Models which are similar to RAL 9005. These colors also match the colors found on DesignMax loudspeakers and now EdgeMax.

How do you mount electrical junction boxes with the new FreeSpace FS models?

FreeSpace FS install into a typical loudspeaker U-bracket on a wall and has no direct connection to an internal or external junction box. Audio wire connection takes place at the back of the enclosure of the loudspeaker, not in the bracket. Installers can utilize junction boxes behind the wall at their own discretion, but it is not required to install an FS loudspeaker. A single gang electrical junction box would likely be used in horizontal orientation on an FS4SE where the speaker is mounted horizontally, and vertically on an FS2SE to fit between the mounting screws.

How are DesignMax DM2 and FreeSpace FS2 different, and how do I choose a model?

By application. If you need 10cm low-profile, use DM2C-LP. If you need life safety, use FS. If you need Outdoor, use FS.

DesignMax DM2C-LP In-Ceiling models are low profile 10cm, include the tile-bridge in the box, magnetic grilles, QuickHold. The highest 70/100V tap is 9W. They have 1480A.

FreeSpace FS2C is compact with 12.5cm backcan, a 16W highest 70/100V tap. FS2C has a friction fit grille and a standard installation experience. FS2C has Life Safety UL1480 Fire & Evac.

DesignMax DM2S have a hidden u-bracket, QuickHold, premium aesthetic grilles, 9W highest 70/100V tap, UL1480A and indoor only.

FreeSpace FS2SE have a visible U-bracket, 16W highest tap and are outdoor rated. FS2SE has Life Safety UL1480 Fire & Evac.

Are In-Ceiling retrofit kit accessories available to place FreeSpace FS in the existing hole of a larger loudspeaker, such as an 8" driver model with a 12" outer rim?

Yes, retrofit kits are available for both the FS2C and FS4CE In-Ceiling loudspeakers and now come in both black and white colors. The construction of these accessories requires installation of a tile-bridge, so tile-



bridges are now included with the purchase of retrofit kits. FS retrofit kits also have a smaller outer ring for using FS2C or FS4CE to replace a single unit in an existing DS 16F, DS 40F or DS 100F installation.

Can we use IZA for FreeSpace FS?

Yes, we have updated the IZA amplifiers to have FS2 and FS4 dip-switch presets, and larger models have either DM2 only or DM2 and DM3 presets. The IZA models with the new EQs will have new SKU numbers and the markings on the rear of the amplifier will say FS2, FS4.

What other amplifiers should I use with FreeSpace FS loudspeakers?

PowerShare, PowerMatch, PowerSpace+ all have been updated with Bose EQ presets for FreeSpace FS when used with a PC for system setup.

Can I use FreeSpace FS without Bose EQ?

Yes, FreeSpace FS like DesignMax can be used without Bose EQ voicing presets by using an amplifier channel flat. Bose still requires use of a High-Pass filter for speaker protection. The recommended values are listed on each loudspeaker's technical data sheet.

Are the loudspeaker EQs for FreeSpace FS the same EQs as DS?

No, we have developed new recommended Bose EQ voicings for the 5 models of FreeSpace FS.

What DSP should I use with FreeSpace FS loudspeakers?

CSP-428 and 1248, ControlSpace ESP and EX processors all provide Bose EQ voicings and SmartBass for all models.

Will FreeSpace FS loudspeakers get SmartBass presets.

Yes, on supported DSP and Smart Amplifier platforms CSP, ESP and EX DSP processors and PowerSpace+ amplifiers.

Will Business Music System Designer be updated to support FreeSpace FS?

Yes, the web-based room planning tool Will BUSINESS MUSIC SYSTEM DESIGNER is updated to support FreeSpace FS.

Are the Ceramic Terminal with Fuse Kit accessories required for EN54-24 installations?

No, the ceramic terminal with fuse kit accessory is used to comply with a British code of practice that is common in many EN54-24 installations as part of the system but is not required to rate the loudspeakers to the EN54-24 standard. However, the FS series was designed so that the ceramic terminal and fuse kit can easily attach to the loudspeakers. FS2P does require a junction box located above the loudspeaker.

Where are the ceramic terminal and fuses located on FreeSpace FS loudspeakers?

The ceramic terminal and thermal fuse kit 10-pack accessory must be purchased to add this capability to appropriate projects. A location and screw hole are located next to the Euroblock connector to attach the ceramic terminal directly to the in-ceiling loudspeakers and surface loudspeakers. This is attached with a Phillips head screwdriver, and the screw is provided.



FS2P pendant installations that need to use a ceramic terminal and thermal fuse kit must install this accessory into a junction box (not included) located above the location of the pendant loudspeaker. There is no location on FS2P to directly connect this part.

Can I get a FreeSpace FS loudspeaker to replace a DS 40F that I am uninstalling due to the recall?

No. When replacing a DS 40F due to the recall, a replacement DS 40F will be provided.

Why can't I get a FreeSpace FS4CE to replace the DS 40F that I just removed? It's newer and has better features.

At this time, we are replacing recalled product with the same line and model (i.e. a new DS 40F for a recalled DS 40). This maximizes our ability to facilitate the recall and ensures complete compatibility between recalled and replacement products in any installation.

What should I do if I need to replace a pendant-mounted DS 40F loudspeaker?

Pendant-mounted DS 40F loudspeakers are not being recalled. If you need to replace a DS 40F (mounted in either a flush- or pendant application) for service reasons (not a new installation) and the new FS2P or FS4SE are not acceptable, please see your sales manager.

How are warranty or out-of-warranty replacements handled for rooms that have surface-mount DS 16S/SE, DS 40SE or DS 100SE installed?

FS2 models would be sent for DS 16 models

FS4 models would be sent for DS 40 models

FS4 would be sent for DS 100 models, if EN54-24 or UL 1480 fire & evac is needed

DM5 models have UL1480A and can be sent for DS 100 models if EN54-24/ UL1480 fire & evac is not needed.

How do handle warranty or out-of-warranty replacements for rooms that have in-ceiling (flush) mounted DS 16F, DS 40F or DS 100F installed?

FS2C will fit in the existing hole of DS 16F, has the same audio output as DS 16F but a smaller diameter backcan and visible plastic rim (bezel), therefore the retrofit kit accessory should be used if using the same hole.

FS4CE will fit in the existing hole of DS 40F/ DS 100F and is a recommended replacement for DS 40F or DS 100F loudspeakers. Retrofit kit accessory is recommended as it adds a smaller ring to equal the same diameter as DS 40F/100F

DesignMax DM5C can also be used to replace DS 100F but would have a different appearance grille.

If EN54-24 or UL1480 fire & evac is needed, FreeSpace FS2C or FS4CE models must be used.