Supported Icons

AppLink makes the use of on-board icons for MFD3, MFD4 and MFD5 displays available to the developers. Basically there are two different possibilities to place those icons on the screen:
- in front of the **commands** in the menu (RPC: AddCommand)
- on **softbuttons** (RPC: Show)

To determine which display is currently in use you have to read the *DisplayCapabilities* from the response which gets sent to the app after registering the AppInterface (*RegisterAppInterfaceResponse)*.
Use *DisplayCapabilities.getDisplayType()* to check which MFD is in use.

Note: If you set an icon which is not supported by the current MFD an empty icon will get displayed (*the RPC itself is correct and will be sent through the proxy)*.

AddCommand

To display an icon in front of a command in the menu you can set the icon (with the Icon ID) by using the method setCmdIcon of the RPC AddCommand.

Icon ID	Description	Display Type		
		MFD 3	MFD 4	MFD 5
0x03	phone device			
0x06	LINE IN audio source			
0x09	bluetooth audio source			
0x0B	USB media audio source			
0x0D	IPOD media source			
0x0E	favorite - heart	N/A	N/A	
0x0F	delete/remove - trash	N/A	N/A	
0x11	voice control system is speaking - VR session active			

0x12	audio mute			
0x13	positive rating - thumbs up	N/A	N/A	
0x14	negative rating - thumbs down	N/A	N/A	
0x15	right arrow			
0x16	media control - stop (e.g. streaming)	N/A	N/A	
0x17	left arrow	N/A		
0x18	undo	N/A	N/A	
0x19	redo	N/A	N/A	
0x1A	compose (e.g. message)	N/A	N/A	
0x1B	combined bluetooth audio + phone icon		N/A	N/A
0x1C	Folder			
0x1D	phone call 1			
0x1E	phone call 2			
0x1F	primary phone (favorite)			
0x20	media control - recording	N/A	N/A	
0x21	album			
0x22	locked			

0x23	unlocked			
0x24	MP3 tag artist			
0x25	radio button checked			
0x26	radio button unchecked			
0x27	check box checked			
0x28	check box unchecked			
0x29	accept call active phone call in progress / initiate a phone call			
0x2A	traffic report	N/A	N/A	
0x2B	ebookmark (e.g. message, feed)	N/A	N/A	
0x2C	end call/reject call			
0x45	auxillary audio			
0x49	settings/menu			
0x4B	left arrow	N/A		
0x4C	track/song title			
0x4D	destination ferry ahead	x	N/A	x
0x4E	genre			
0x4F	playlist			

0x50	filename			
0x51	ID3-tag unknown			
0x53	generic phone number			
0x54	mobile phone number			
0x55	home phone number			
0x56	office/work phone number			
0x57	incoming calls (in list of phone calls)			
0x58	missed calls (in list of phone calls)			
0x59	outgoing calls (in list of phone calls)			
0x5A	ringtones			
0x5C	contact/person			
0x5E	new/unread text message/email			
0x5F	opened/read text message/email			
0x66	cell phone in roaming mode			
0x67	WiFi signal strength 0 of 4 bars			
0x68	WiFi signal strength 1 of 4 bars			
0x69	WiFi signal strength 2 of 4 bars			

0x6A	WiFi signal strength 3 of 4 bars			
0x6B	WiFi signal strength 4 of 4 bars			
0x73	repeat play			
0x74	shuffle play			
0x76	pop-up			
0x77	browse			
0x78	hyperlink			
0x79	filter/search			
0x7B	sort list			
0x7D	key/keycode			
0x7E	remote diagnostics - check engine			
0x7F	dash/bullet point			
0x80	fax number			
0x81	phonebook			
0x82	audiobook narrator			
0x83	audiobook episode			
0x87	date / calendar			

0x88	photo / picture			
0x89	RSS			
0x8F	voice recognition successful			
0x90	voice recognition failed			
0x91	VR session - system listening			
0x92	VR system - pause			
0x93	VR system - try again			
0x94	destination	N/A	N/A	
0x95	favorite - star	N/A		
0x96	origin - nearby locale - current position	N/A		
0x9B	type L2L continue	N/A		x
0xC7	voice control scrollbar - list item no. 1	N/A	N/A	
0xC8	voice control scrollbar - list item no. 2	N/A	N/A	
0xC9	voice control scrollbar - list item no. 3	N/A	N/A	
0xCA	voice control scrollbar - list item no. 4	N/A	N/A	
0xCD	bluetooth			
0xCF	play/pause - play active	N/A	N/A	

0xD0	play/pause - pause active	N/A	N/A	▶
0xD5	voice recognition success			
0xD6	voice recognition failed			
0xD7	speed dial numbers - number 1			
0xD8	speed dial numbers - number 2			
0xD9	speed dial numbers - number 3			
0xDA	speed dial numbers - number 4			
0xDB	speed dial numbers - number 5			
0xDC	speed dial numbers - number 6			
0xDD	speed dial numbers - number 7			
0xDE	speed dial numbers - number 8			
0xDF	speed dial numbers - number 9			
0xE0	speed dial numbers - number 0			
0xE5	download (e.g. phonebook)			
0xF7	battery capacity 0 of 4			
0xF8	battery capacity 1 of 4			
0xF9	battery capacity 2 of 4			

0xFA	battery capacity 3 of 4			
0xFB	battery capacity 4 of 4			

Show

To display an icon on a SoftButton you can set the icon (with the Icon ID) by using the method setImage of the class SoftButton. Those SoftButtons are then placed inside a Vector<SoftButton> and given to the Show RPC (setSoftButtons).

Icon ID	Description	Display Type		
		MFD 3	MFD 4	MFD 5
0x03	phone device	N/A		
0x06	LINE IN audio source	N/A		
0x09	bluetooth audio source	N/A		
0x0B	USB media audio source	N/A		
0x0D	IPOD media source	N/A		
0x0E	favorite - heart	N/A	N/A	
0x0F	delete/remove - trash	N/A	N/A	
0x11	voice control system is speaking - VR session active	N/A		
0x12	audio mute			
0x13	positive rating - thumbs up	N/A	N/A	
0x14	negative rating - thumbs down	N/A	N/A	
0x15	Right arrow	N/A		
0x16	media control - stop (e.g. streaming)	N/A	N/A	
0x17	left arrow	N/A		

0x18	undo	N/A	N/A	
0x19	redo	N/A	N/A	
0x1A	compose (e.g. message)	N/A	N/A	
0x1B	combined bluetooth audio + phone icon	N/A	N/A	N/A
0x1C	Folder	N/A		
0x1D	phone call 1	N/A		
0x1E	phone call 2	N/A		
0x1F	primary phone (favorite)	N/A		
0x20	media control - recording	N/A	N/A	
0x21	album	N/A		
0x22	locked	N/A		
0x23	unlocked	N/A		
0x24	MP3 tag artist	N/A		
0x25	radio button checked	N/A		
0x26	radio button unchecked	N/A		
0x27	check box checked	N/A		
0x28	check box unchecked	N/A		

0x29	accept call active phone call in progress / initiate a phone call	N/A	📞	📞
0x2A	traffic report	N/A	N/A	🚗
0x2B	ebookmark (e.g. message, feed)	N/A	N/A	📑
0x2C	end call/reject call	N/A	📞	📞
0x45	auxillary audio	N/A	🔌	🔌
0x49	settings/menu	N/A	☰	☰
0x4B	left arrow	N/A	<	<
0x4C	track/song title	N/A	♫	♫
0x4D	destination ferry ahead	N/A	N/A	x
0x4E	genre	N/A	⧉	⧉
0x4F	playlist	N/A	☰	☰
0x50	filename	N/A	📄	📄
0x51	ID3-tag unknown	N/A	📄	📄
0x53	generic phone number	N/A	⊞	⊞
0x54	mobile phone number	N/A	📱	📱
0x55	home phone number	N/A	🏠	🏠
0x56	office/work phone number	N/A	🏢	🏢

0x57	incoming calls (in list of phone calls)	N/A	↙	↙
0x58	missed calls (in list of phone calls)	N/A	✕	✕
0x59	outgoing calls (in list of phone calls)	N/A	↗	↗
0x5A	ringtones	N/A		
0x5C	contact/person	N/A		
0x5E	new/unread text message/email	N/A		
0x5F	opened/read text message/email	N/A		
0x66	cell phone in roaming mode	N/A	R	R
0x67	WiFi signal strength 0 of 4 bars	N/A	....	....
0x68	WiFi signal strength 1 of 4 bars	N/A	I...	I...
0x69	WiFi signal strength 2 of 4 bars	N/A	ıl..	ıl..
0x6A	WiFi signal strength 3 of 4 bars	N/A	ıll.	ıll.
0x6B	WiFi signal strength 4 of 4 bars	N/A	ıll	ıll
0x73	repeat play	N/A		
0x74	shuffle play	N/A		
0x76	pop-up	N/A		
0x77	browse			

0x78	hyperlink	N/A		
0x79	filter/search	N/A		
0x7B	sort list	N/A		
0x7D	key/keycode	N/A		
0x7E	remote diagnostics - check engine	N/A		
0x7F	dash/bullet point	N/A		
0x80	fax number	N/A		
0x81	phonebook	N/A		
0x82	audiobook narrator	N/A		
0x83	audiobook episode	N/A		
0x87	date / calendar	N/A		
0x88	photo / picture	N/A		
0x89	RSS	N/A		
0x8F	voice recognition successful	N/A		
0x90	voice recognition failed	N/A		
0x91	VR session - system listening	N/A		
0x92	VR system - pause	N/A		

0x93	VR system - try again	N/A	?👂	?👂
0x94	destination	N/A	N/A	⚑
0x95	favorite - star	N/A	N/A	☆
0x96	origin - nearby locale - current position	N/A	N/A	🧭
0x9B	type L2L continue	N/A	N/A	x
0xC7	voice control scrollbar - list item no. 1	N/A	N/A	①
0xC8	voice control scrollbar - list item no. 2	N/A	N/A	②
0xC9	voice control scrollbar - list item no. 3	N/A	N/A	③
0xCA	voice control scrollbar - list item no. 4	N/A	N/A	④
0xCD	bluetooth	N/A	🅱	🅱
0xCF	play/pause - play active	▶ ‖	▶ ‖	▶ ‖
0xD0	play/pause - pause active	▶ ‖	▶ ‖	▶ ‖
0xD5	voice recognition success	N/A	✓	✓
0xD6	voice recognition failed	N/A	✗	✗
0xD7	speed dial numbers - number 1	N/A	1	1
0xD8	speed dial numbers - number 2	N/A	2	2
0xD9	speed dial numbers - number 3	N/A	3	3

0xDA	speed dial numbers - number 4	N/A	4	4
0xDB	speed dial numbers - number 5	N/A	5	5
0xDC	speed dial numbers - number 6	N/A	6	6
0xDD	speed dial numbers - number 7	N/A	7	7
0xDE	speed dial numbers - number 8	N/A	8	8
0xDF	speed dial numbers - number 9	N/A	9	9
0xE0	speed dial numbers - number 0	N/A	0	0
0xE5	download (e.g. phonebook)	N/A	⇩	⇩
0xF7	battery capacity 0 of 4	N/A	🔋	🔋
0xF8	battery capacity 1 of 4	N/A	🔋	🔋
0xF9	battery capacity 2 of 4	N/A	🔋	🔋
0xFA	battery capacity 3 of 4	N/A	🔋	🔋
0xFB	battery capacity 4 of 4	N/A	🔋	🔋