

## EEProm Setup Record For “ICPAGING ABCL Applications“

Application	Parameter	Offset [dec]	Dynamic Name	Length [byte]	Default Value	Short Description
client	Serial Port	199	B199	1	0	Serial port control.
client	VSC Font Size	260	B260	1	0	
master/client	Default Paging Volume	500	B500	1	10	Linear volume in 5% steps for the range 0-100%, values 0-20
master/client	AD-Gain	501	B501	1	2	A/D amplifier gain in 1.5dB steps starting from -3dB (value 0) to 19.5dB (value 15)
master/client	Mic-Gain	502	B502	1	0	Microphone gain in 1.5dB steps starting from 21dB (value 0) to 43.5dB (value 15)
client	Minimal Paging Volume	503	B503	1	2	Linear volume in 5% steps for the range 0-100%, values 0-20
client	Maximal Paging Volume	504	B504	1	18	Linear volume in 5% steps for the range 0-100%, values 0-20
master	Paging Priority	508	B508	1	127	Paging priority – from 1 to 254
master/client	Input Mode	510	B510	1	0x82	Input Mode (BITMASK): 0x01 = Line In 0x02 = Mic In 0x80 = Mono
master/client	Audio	511	B511	1	7	6 = uLaw/24kHz

Application	Parameter	Offset [dec]	Dynamic Name	Length [byte]	Default Value	Short Description
	Format					7 = uLaw/8kHz 8 = aLaw/24kHz 9 = aLaw/8kHz
client	Default BGM Volume	517	B517	1	10	Linear volume in 5% steps for the range 0-100%, values 0-20
client	Minimal BGM Volume	518	B518	1	2	Linear volume in 5% steps for the range 0-100%, values 0-20
client	Maximal BGM Volume	519	B519	1	18	Linear volume in 5% steps for the range 0-100%, values 0-20
master	HandsFree	520	B520	1	0	Hands free mode
master	Input Trigger Level	521	W521	2	1000	Input trigger level
master	Inactivity Timeout	523	W523	2	1000	Inactivity timeout
master	Relay 1 Control	529	B529	1	0	0-always off 4-relay while ringing 8-relay while talking ("on-air")
client	Destination IP 1	530	B530,B531,B532,B533	4	0.0.0.0	Master station 1 IP address (client)
client	Destination IP 2	534	B534,B535,B536,B537	4	0.0.0.0	Master station 2 IP address (client)
master	Station ID	538	W538	2	1001	Station ID
client	Station ID	540	W540	2	1	Station ID
master/client	Unattended Timer / Auto hang-up Seconds	544	B544	1	20	Number of seconds before answering the call and set the mode to unattended (master) Number of seconds before stopping ringing if no reply from master (client)

Application	Parameter	Offset [dec]	Dynamic Name	Length [byte]	Default Value	Short Description
client	Relay 1 Off Delay	545	W545	2	200	Timeout in ms for the relay to switch off after no incoming audio stream is detected
client	VSC Panel Dim Timeout	547	B547	1	0	Timeout to switch off the VSC LED panel after going in idle mode. 0 – disabled, 1-99 – value in seconds)
client	Relay On while	548	B548	1	0 (always off)	Determines in which case the relay (if available on the HW) is automatically activated: 0 - always off 1 - on while ringing (not currently used) 2 - on while talking 3 - always on, off while talking 4 - on while paging 5 - on while receiving audiostream
master_nextion	Nextion Panel timeout	549	B549	1	30	Timeout to turnoff the display. The panel wakes on touch, or serial port event
Master nextion	Nextion Panel key extensions	550	B550	1	0	Sets the number of available key “extensions”: 0 – 16 base keys + 48 single target keys (64 keys) + 65 <sup>th</sup> key for relay activation 1 – 16 base keys + 2x48 single target keys +112 <sup>th</sup> key for relay activation
Master nextion	Input Mode	551	B551	1	0x81	Same as B5100. For the icmaster with Nextion panel we need different default. Since the nextiun and non-nesxtion versions of the Icmaster are in the same package, we need a different value in order not to change the already agreed default value. In the master_nextion interface there is no way to change this value, but we need it here as a “hidden” way to switch between line//mic when testing on standalone Ann60 + nextion panel devkit Input Mode (BITMASK): 0x00 = Line In + mono (when not initialized) 0x01 = Line In 0x02 = Mic In 0x80 = Mono
master	Audio Multicast Socket (IP)	820-823	B820-B823	4	0.0.0.0	Multicast group to be used for Paging (IP)
master	Audio Multicast Socket (PORT)	824	W824	2	12345	Multicast group to be used for Paging (PORT)
master/client	AEC option	826	B826	1	0 (No)	Acoustic echo cancellation enable/disable.
master/client	HDX/FDX	830	B830	1	0	Half/Full duplex mode

Application	Parameter	Offset [dec]	Dynamic Name	Length [byte]	Default Value	Short Description
	Mode					
client	Use AI_Phone	831	B831	1	0 (No)	Use AI_Phone as door station
client	BGM Broadcast Address	832-835	B832-B835	4	0	BGM Broadcast address (typically multicast)
client	BGM First Broadcast Port	836	W836	2	11001	BGM port for the first channel
client	BGM Available Channels	838	B838	1	0	Number of available BGM channels
client	BGM Start Channel	839	B839	1	0	BGM channel to start after boot
client	Notification Volume	840	B840	1	18 (90%)	Minimum volume for playing notification messages
client	Relay 1 Control	848	B848	1	0	0 – always off 1 - on while ringing (not used for now) 2 - on while talking (in a call) 3 - always on,off while in a call 4 - on while in PA mode 5 - on while receiving audio stream
client	Notification Port	849	B849	1	0	Use notification port. 0-disables, 1-enables its usage
client	Notification Broadcast Port	850	W850	2	5554	Notification audio listen port
client	Notification Protocol	529	B529b1	0	0	0 - Raw UDP 1 - RTP
master/client	BARP audio port	852	W852	2	5555	BARP audio port
master/client	BARP control port	854	W854	2	5556	BARP control port

Application	Parameter	Offset [dec]	Dynamic Name	Length [byte]	Default Value	Short Description
master/client	BARP status port	856	W856	2	5557	BARP status port
master	Number of selected clients	858 to 865	B858 to B865	8	10	Contains the number of the selected clients in the respective Group (1 to 8).
master/client	Call Master by	874	B874	1	1	0 as IP, 1 as BARP ID
master	Unattended Mode	876	B876	1	0 (enabled)	1 – disables the unattended mode. In this case if the unattended mode button is pressed, it goes directly in call reject mode
master/client	BARP Broadcast address	878-881	B878-B881	4	0	BARP IP address. By default “0.0.0.0” (use broadcast). However, for communication between different networks, it can be set to a multicast address.
client	Destination IP 3	882	B882,B883,B884,B885	4	0.0.0.0	Master station 3 IP address (client)
client	Destination IP 4	886	B886,B887,B888,B889	4	0.0.0.0	Master station 4 IP address (client)
master	Group key 1 address map	900-915	B900-B915	16	0	16 bytes address map for group 1 (allows addressing of clients IDs 1-128).
master	Group key 2 address map	916-931	B916-B931	16	0	16 bytes address map for group 2 (allows addressing of clients IDs 1-128).
master	Group key 3 address map	932-947	B932-B947	16	0	16 bytes address map for group 3 (allows addressing of clients IDs 1-128).
master	Group key 4 address map	948-963	B948-B963	16	0	16 bytes address map for group 4 (allows addressing of clients IDs 1-128).
master	Group key 5 address map	964-979	B964-B979	16	0	16 bytes address map for group 5 (allows addressing of clients IDs 1-128).
master	Group key 6	980-	B980-	16	0	16 bytes address map for group 6 (allows addressing of clients IDs 1-128).



