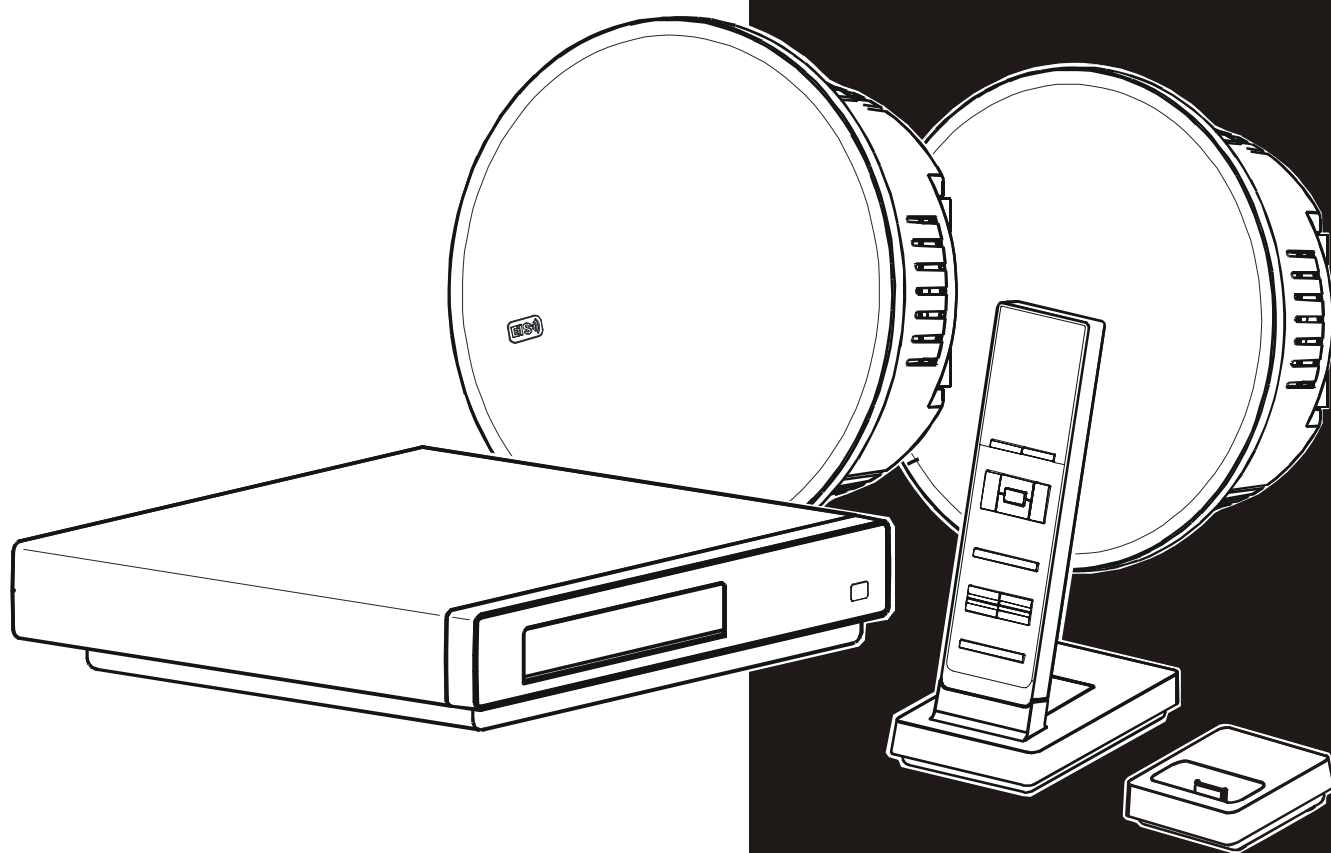


KNX INTERFACE

i500

Multiroom Audio System



eisSOUND
It's Soundlife!

- 1.- Installation
- 2.- Configuration
- 3.- Object Table

1 Installation

With the KNX Interface Module (Ref. 534 95) developed for the i500 Series, the main features of the i500 Series can be controlled by different devices integrated in a KNX installation.

Connect the Interface Module Ref. 534 95 to the Master Unit Ref. 511 21 using RS232 cable to PORT connector.

IMPORTANT: KNX-II Interface is compatible with the following versions of i500 Series devices:

511 21 Master Unit	3.1
521 21 Remote Control Unit	1.6
551 01 Main Speaker	3.0
534 95 KNX data base (.vd4) supplied	2.1

2 Configuration

The configuration of the Module is performed by ETS software

1° From ETS import the project **ElSSOUND i500 Series KNX Interface.vd4** It is very important to be sure that you have got the correct versions for the .vd4 database and the i500 series devices detailed in the above table.

2° Open and add the device to any other ETS project

3° Assign the address to the i500 Series Interface KNX Module. To do this it is necessary to modify its ETS address and press the PROG button in the Interface Ref. 534 95 to enter it in program mode. The yellow led must be ON during the programming process.

4° Once the address has been configured we can link the objects provided by the Interface (252 in total) with the devices of the KNX installations. Each object has its functionality description mentioned in the field "Description" in the ETS main window.

IMPORTANT: The configuration of the objects of the i500 Series KNX Interface should never be modified. Any modification could give rise to a loss of functionalities.

3 Object Table

The table annexed in the following pages relates the objects provided by i500 Series KNX interface. Please, take care about the above observations:

note 1: the object "channel" has the following values:

- 0 = local FM
- 1 = central FM
- 2 = central dis
- 3 = central iPod/central L1 input
- 4 = central L2 input
- 5 = local input

note 2: it has been required by KNX that every object that can be programmed as up/down, must be programmed through ETS software as:

- up = off (0)
- down = on (1)

Object	Type	Description	Data
0	DPT 16	Central RDS	16.000 character string (ASCII)
1	DPT 16	Zone 1 RDS	16.000 character string (ASCII)
2	DPT 16	Zone 2 RDS	16.000 character string (ASCII)
3	DPT 16	Zone 3 RDS	16.000 character string (ASCII)
4	DPT 16	Zone 4 RDS	16.000 character string (ASCII)
5	DPT 16	Zone 5 RDS	16.000 character string (ASCII)
6	DPT 16	Zone 6 RDS	16.000 character string (ASCII)
7	DPT 16	Zone 7 RDS	16.000 character string (ASCII)
8	DPT 16	Zone 8 RDS	16.000 character string (ASCII)
9	DPT 16	Zone 9 RDS	16.000 character string (ASCII)
10	DPT 16	Zone 10 RDS	16.000 character string (ASCII)
11	DPT 16	Zone 11 RDS	16.000 character string (ASCII)
12	DPT 16	Zone 12 RDS	16.000 character string (ASCII)
13	DPT 16	Zone 13 RDS	16.000 character string (ASCII)
14			
15			
16	DPT 1	Standby General	1.* 1bit
17	DPT 1	Zone 1 Standby On/Off	1.* 1bit
18	DPT 1	Zone 1 Standby	1.* 1bit
19	DPT 5	Zone 1 Channel Set	5.010 1byte unsigned value
20	DPT 5	Zone 1 Channel	5.010 1byte unsigned value
21	DPT 1	Zone 1 Volume Up/Down	1.008 up/down
22	DPT 5	Zone 1 Volume Set	5.1 1byte Scaling
23	DPT 5	Zone 1 Volume	5.1 1byte Scaling
24	DPT 1	Zone 1 Bass Up/Down	1.008 up/down
25	DPT 5	Zone 1 Bass	5.1 1byte Scaling
26	DPT 1	Zone 1 Treble Up/Down	1.008 up/down
27	DPT 5	Zone 1 Treble	5.1 1byte Scaling
28	DPT 1	Zone 1 Loudness On/Off	1.* 1bit
29	DPT 1	Zone 1 Loudness	1.* 1bit
30	DPT 1	Zone 1 Autoscans	1.* 1bit
31	DPT 1	Zone 1 FM Memory Up/Down	1.008 up/down
32	DPT 14	Zone 1 FM Station Set	14.033 frequency
33	DPT 14	Zone 1 FM Station	14.033 frequency
34	DPT 1	Zone 2 Standby On/Off	1.* 1bit
35	DPT 1	Zone 2 Standby	1.* 1bit
36	DPT 5	Zone 2 Channel Set	5.010 1byte unsigned value
37	DPT 5	Zone 2 Channel	5.010 1byte unsigned value
38	DPT 1	Zone 2 Volume Up/Down	1.008 up/down
39	DPT 5	Zone 2 Volume Set	5.1 1byte Scaling
40	DPT 5	Zone 2 Volume	5.1 1byte Scaling
41	DPT 1	Zone 2 Bass Up/Down	1.008 up/down
42	DPT 5	Zone 2 Bass	5.1 1byte Scaling
43	DPT 1	Zone 2 Treble Up/Down	1.008 up/down
44	DPT 5	Zone 2 Treble	5.1 1byte Scaling
45	DPT 1	Zone 2 Loudness On/Off	1.* 1bit
46	DPT 1	Zone 2 Loudness	1.* 1bit
47	DPT 1	Zone 2 Autoscans	1.* 1bit
48	DPT 1	Zone 2 FM Memory Up/Down	1.008 up/down
49	DPT 14	Zone 2 FM Station Set	14.033 frequency

Object	Type	Description	Data
50	DPT 14	Zone 2 FM Station	14.033 frequency
51	DPT 1	Zone 3 Standby On/Off	1.* 1bit
52	DPT 1	Zone 3 Standby	1.* 1bit
53	DPT 5	Zone 3 Channel Set	5.010 1byte unsigned value
54	DPT 5	Zone 3 Channel	5.010 1byte unsigned value
55	DPT 1	Zone 3 Volume Up/Down	1.008 up/down
56	DPT 5	Zone 3 Volume Set	5.1 1byte Scaling
57	DPT 5	Zone 3 Volume	5.1 1byte Scaling
58	DPT 1	Zone 3 Bass Up/Down	1.008 up/down
59	DPT 5	Zone 3 Bass	5.1 1byte Scaling
60	DPT 1	Zone 3 Treble Up/Down	1.008 up/down
61	DPT 5	Zone 3 Treble	5.1 1byte Scaling
62	DPT 1	Zone 3 Loudness On/Off	1.* 1bit
63	DPT 1	Zone 3 Loudness	1.* 1bit
64	DPT 1	Zone 3 Autoscans	1.* 1bit
65	DPT 1	Zone 3 FM Memory Up/Down	1.008 up/down
66	DPT 14	Zone 3 FM Station Set	14.033 frequency
67	DPT 14	Zone 3 FM Station	14.033 frequency
68	DPT 1	Zone 4 Standby On/Off	1.* 1bit
69	DPT 1	Zone 4 Standby	1.* 1bit
70	DPT 5	Zone 4 Channel Set	5.010 1byte unsigned value
71	DPT 5	Zone 4 Channel	5.010 1byte unsigned value
72	DPT 1	Zone 4 Volume Up/Down	1.008 up/down
73	DPT 5	Zone 4 Volume Set	5.1 1byte Scaling
74	DPT 5	Zone 4 Volume	5.1 1byte Scaling
75	DPT 1	Zone 4 Bass Up/Down	1.008 up/down
76	DPT 5	Zone 4 Bass	5.1 1byte Scaling
77	DPT 1	Zone 4 Treble Up/Down	1.008 up/down
78	DPT 5	Zone 4 Treble	5.1 1byte Scaling
79	DPT 1	Zone 4 Loudness On/Off	1.* 1bit
80	DPT 1	Zone 4 Loudness	1.* 1bit
81	DPT 1	Zone 4 Autoscans	1.* 1bit
82	DPT 1	Zone 4 FM Memory Up/Down	1.008 up/down
83	DPT 14	Zone 4 FM Station Set	14.033 frequency
84	DPT 14	Zone 4 FM Station	14.033 frequency
85	DPT 1	Zone 5 Standby On/Off	1.* 1bit
86	DPT 1	Zone 5 Standby	1.* 1bit
87	DPT 5	Zone 5 Channel Set	5.010 1byte unsigned value
88	DPT 5	Zone 5 Channel	5.010 1byte unsigned value
89	DPT 1	Zone 5 Volume Up/Down	1.008 up/down
90	DPT 5	Zone 5 Volume Set	5.1 1byte Scaling
91	DPT 5	Zone 5 Volume	5.1 1byte Scaling
92	DPT 1	Zone 5 Bass Up/Down	1.008 up/down
93	DPT 5	Zone 5 Bass	5.1 1byte Scaling
94	DPT 1	Zone 5 Treble Up/Down	1.008 up/down
95	DPT 5	Zone 5 Treble	5.1 1byte Scaling
96	DPT 1	Zone 5 Loudness On/Off	1.* 1bit
97	DPT 1	Zone 5 Loudness	1.* 1bit
98	DPT 1	Zone 5 Autoscans	1.* 1bit
99	DPT 1	Zone 5 FM Memory Up/Down	1.008 up/down

Object	Type	Description	Data
100	DPT 14	Zone 5 FM Station Set	14.033 frequency
101	DPT 14	Zone 5 FM Station	14.033 frequency
102	DPT 1	Zone 6 Standby On/Off	1.* 1bit
103	DPT 1	Zone 6 Standby	1.* 1bit
104	DPT 5	Zone 6 Channel Set	5.010 1byte unsigned value
105	DPT 5	Zone 6 Channel	5.010 1byte unsigned value
106	DPT 1	Zone 6 Volume Up/Down	1.008 up/down
107	DPT 5	Zone 6 Volume Set	5.1 1byte Scaling
108	DPT 5	Zone 6 Volume	5.1 1byte Scaling
109	DPT 1	Zone 6 Bass Up/Down	1.008 up/down
110	DPT 5	Zone 6 Bass	5.1 1byte Scaling
111	DPT 1	Zone 6 Treble Up/Down	1.008 up/down
112	DPT 5	Zone 6 Treble	5.1 1byte Scaling
113	DPT 1	Zone 6 Loudness On/Off	1.* 1bit
114	DPT 1	Zone 6 Loudness	1.* 1bit
115	DPT 1	Zone 6 Autoscans	1.* 1bit
116	DPT 1	Zone 6 FM Memory Up/Down	1.008 up/down
117	DPT 14	Zone 6 FM Station Set	14.033 frequency
118	DPT 14	Zone 6 FM Station	14.033 frequency
119	DPT 16	Central iPod Song	16.000 character string (ASCII)
120	DPT 16	Central iPod Artist	16.000 character string (ASCII)
121	DPT 16	Central iPod Album	16.000 character string (ASCII)
122	DPT 16	Central iPod Playlist	16.000 character string (ASCII)
123	DPT 16	Central Disk Song	16.000 character string (ASCII)
124	DPT 1	Central Disk On/Off	1.* 1bit
125	DPT 1	Central Disk Up/Down	1.008 up/down
126	DPT 1	Central iPod On/Off	1.* 1bit
127	DPT 1	Central iPod Up/Down	1.008 up/down
128	DPT 1	Zone 7 Standby On/Off	1.* 1bit
129	DPT 1	Zone 7 Standby	1.* 1bit
130	DPT 5	Zone 7 Channel Set	5.010 1byte unsigned value
131	DPT 5	Zone 7 Channel	5.010 1byte unsigned value
132	DPT 1	Zone 7 Volume Up/Down	1.008 up/down
133	DPT 5	Zone 7 Volume Set	5.1 1byte Scaling
134	DPT 5	Zone 7 Volume	5.1 1byte Scaling
135	DPT 1	Zone 7 Bass Up/Down	1.008 up/down
136	DPT 5	Zone 7 Bass	5.1 1byte Scaling
137	DPT 1	Zone 7 Treble Up/Down	1.008 up/down
138	DPT 5	Zone 7 Treble	5.1 1byte Scaling
139	DPT 1	Zone 7 Loudness On/Off	1.* 1bit
140	DPT 1	Zone 7 Loudness	1.* 1bit
141	DPT 1	Zone 7 Autoscans	1.* 1bit
142	DPT 1	Zone 7 FM Memory Up/Down	1.008 up/down
143	DPT 14	Zone 7 FM Station Set	14.033 frequency
144	DPT 14	Zone 7 FM Station	14.033 frequency
145	DPT 1	Zone 8 Standby On/Off	1.* 1bit
146	DPT 1	Zone 8 Standby	1.* 1bit
147	DPT 5	Zone 8 Channel Set	5.010 1byte unsigned value
148	DPT 5	Zone 8 Channel	5.010 1byte unsigned value
149	DPT 1	Zone 8 Volume Up/Down	1.008 up/down

Object	Type	Description	Data
150	DPT 5	Zone 8 Volume Set	5.1 1byte Scaling
151	DPT 5	Zone 8 Volume	5.1 1byte Scaling
152	DPT 1	Zone 8 Bass Up/Down	1.008 up/down
153	DPT 5	Zone 8 Bass	5.1 1byte Scaling
154	DPT 1	Zone 8 Treble Up/Down	1.008 up/down
155	DPT 5	Zone 8 Treble	5.1 1byte Scaling
156	DPT 1	Zone 8 Loudness On/Off	1.* 1bit
157	DPT 1	Zone 8 Loudness	1.* 1bit
158	DPT 1	Zone 8 Autoscans	1.* 1bit
159	DPT 1	Zone 8 FM Memory Up/Down	1.008 up/down
160	DPT 14	Zone 8 FM Station Set	14.033 frequency
161	DPT 14	Zone 8 FM Station	14.033 frequency
162	DPT 1	Zone 9 Standby On/Off	1.* 1bit
163	DPT 1	Zone 9 Standby	1.* 1bit
164	DPT 5	Zone 9 Channel Set	5.010 1byte unsigned value
165	DPT 5	Zone 9 Channel	5.010 1byte unsigned value
166	DPT 1	Zone 9 Volume Up/Down	1.008 up/down
167	DPT 5	Zone 9 Volume Set	5.1 1byte Scaling
168	DPT 5	Zone 9 Volume	5.1 1byte Scaling
169	DPT 1	Zone 9 Bass Up/Down	1.008 up/down
170	DPT 5	Zone 9 Bass	5.1 1byte Scaling
171	DPT 1	Zone 9 Treble Up/Down	1.008 up/down
172	DPT 5	Zone 9 Treble	5.1 1byte Scaling
173	DPT 1	Zone 9 Loudness On/Off	1.* 1bit
174	DPT 1	Zone 9 Loudness	1.* 1bit
175	DPT 1	Zone 9 Autoscans	1.* 1bit
176	DPT 1	Zone 9 FM Memory Up/Down	1.008 up/down
177	DPT 14	Zone 9 FM Station Set	14.033 frequency
178	DPT 14	Zone 9 FM Station	14.033 frequency
179	DPT 1	Zone 10 Standby On/Off	1.* 1bit
180	DPT 1	Zone 10 Standby	1.* 1bit
181	DPT 5	Zone 10 Channel Set	5.010 1byte unsigned value
182	DPT 5	Zone 10 Channel	5.010 1byte unsigned value
183	DPT 1	Zone 10 Volume Up/Down	1.008 up/down
184	DPT 5	Zone 10 Volume Set	5.1 1byte Scaling
185	DPT 5	Zone 10 Volume	5.1 1byte Scaling
186	DPT 1	Zone 10 Bass Up/Down	1.008 up/down
187	DPT 5	Zone 10 Bass	5.1 1byte Scaling
188	DPT 1	Zone 10 Treble Up/Down	1.008 up/down
189	DPT 5	Zone 10 Treble	5.1 1byte Scaling
190	DPT 1	Zone 10 Loudness On/Off	1.* 1bit
191	DPT 1	Zone 10 Loudness	1.* 1bit
192	DPT 1	Zone 10 Autoscans	1.* 1bit
193	DPT 1	Zone 10 FM Memory Up/Down	1.008 up/down
194	DPT 14	Zone 10 FM Station Set	14.033 frequency
195	DPT 14	Zone 10 FM Station	14.033 frequency
196	DPT 1	Zone 11 Standby On/Off	1.* 1bit
197	DPT 1	Zone 11 Standby	1.* 1bit
198	DPT 5	Zone 11 Channel Set	5.010 1byte unsigned value
199	DPT 5	Zone 11 Channel	5.010 1byte unsigned value

Object	Type	Description	Data
200	DPT 1	Zone 11 Volume Up/Down	1.008 up/down
201	DPT 5	Zone 11 Volume Set	5.1 1byte Scaling
202	DPT 5	Zone 11 Volume	5.1 1byte Scaling
203	DPT 1	Zone 11 Bass Up/Down	1.008 up/down
204	DPT 5	Zone 11 Bass	5.1 1byte Scaling
205	DPT 1	Zone 11 Treble Up/Down	1.008 up/down
206	DPT 5	Zone 11 Treble	5.1 1byte Scaling
207	DPT 1	Zone 11 Loudness On/Off	1.* 1bit
208	DPT 1	Zone 11 Loudness	1.* 1bit
209	DPT 1	Zone 11 Autoscans	1.* 1bit
210	DPT 1	Zone 11 FM Memory Up/Down	1.008 up/down
211	DPT 14	Zone 11 FM Station Set	14.033 frequency
212	DPT 14	Zone 11 FM Station	14.033 frequency
213	DPT 1	Zone 12 Standby On/Off	1.* 1bit
214	DPT 1	Zone 12 Standby	1.* 1bit
215	DPT 5	Zone 12 Channel Set	5.010 1byte unsigned value
216	DPT 5	Zone 12 Channel	5.010 1byte unsigned value
217	DPT 1	Zone 12 Volume Up/Down	1.008 up/down
218	DPT 5	Zone 12 Volume Set	5.1 1byte Scaling
219	DPT 5	Zone 12 Volume	5.1 1byte Scaling
220	DPT 1	Zone 12 Bass Up/Down	1.008 up/down
221	DPT 5	Zone 12 Bass	5.1 1byte Scaling
222	DPT 1	Zone 12 Treble Up/Down	1.008 up/down
223	DPT 5	Zone 12 Treble	5.1 1byte Scaling
224	DPT 1	Zone 12 Loudness On/Off	1.* 1bit
225	DPT 1	Zone 12 Loudness	1.* 1bit
226	DPT 1	Zone 12 Autoscans	1.* 1bit
227	DPT 1	Zone 12 FM Memory Up/Down	1.008 up/down
228	DPT 14	Zone 12 FM Station Set	14.033 frequency
229	DPT 14	Zone 12 FM Station	14.033 frequency
230	DPT 1	Zone 13 Standby On/Off	1.* 1bit
231	DPT 1	Zone 13 Standby	1.* 1bit
232	DPT 5	Zone 13 Channel Set	5.010 1byte unsigned value
233	DPT 5	Zone 13 Channel	5.010 1byte unsigned value
234	DPT 1	Zone 13 Volume Up/Down	1.008 up/down
235	DPT 5	Zone 13 Volume Set	5.1 1byte Scaling
236	DPT 5	Zone 13 Volume	5.1 1byte Scaling
237	DPT 1	Zone 13 Bass Up/Down	1.008 up/down
238	DPT 5	Zone 13 Bass	5.1 1byte Scaling
239	DPT 1	Zone 13 Treble Up/Down	1.008 up/down
240	DPT 5	Zone 13 Treble	5.1 1byte Scaling
241	DPT 1	Zone 13 Loudness On/Off	1.* 1bit
242	DPT 1	Zone 13 Loudness	1.* 1bit
243	DPT 1	Zone 13 Autoscans	1.* 1bit
244	DPT 1	Zone 13 FM Memory Up/Down	1.008 up/down
245	DPT 14	Zone 13 FM Station Set	14.033 frequency
246	DPT 14	Zone 13 FM Station	14.033 frequency
247	DPT 10	Central Time	10.* time
248	DPT 11	Central Date	11.* date
249	DPT 1	Central Autoscans	1.* 1bit
250	DPT 1	Central FM Memory Up/Down	1.008 up/down
251	DPT 14	Central FM Station Set	14.033 frequency
252	DPT 14	Central FM Station	14.033 frequency

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