



SCT-1007

**CAMERA CONTROL CODE TRANSLATOR
BOSCH BIPHASE to AD MANCHESTER Ver 2.0**

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PRODUCT DESCRIPTION

The SCT-1007 is a Bosch to American Dynamics code translator designed to control AD cameras from Bosch Allegiant control systems. It receives Bosch biphasic code and transmits the appropriate commands in AD manchester format.

The SCT-1007 can be configured with internal switches to work with fixed or variable speed AD receivers.

The 64 AD camera addresses can be assigned to one of 64 blocks so Bosch controller addresses up to 4096 can be used.

Front panel indicators show status of Power, Receive, and Transmit

There is an optional 19" rack mount panel (one rack unit high).

SPECIFICATIONS

Size:	5.57"W x 1.52H x 5.45D
Weight:	1.5 lb
Power:	12Volt to 15Volt AC or DC at 100ma
Indicators:	Front panel LEDs: Power, Rx & Tx
Biphase Input:	(1) 3-pin mating screw terminal
AD Manchester Outputs:	(4) 3-pin mating screw terminal

CONFIGURATION SWITCHES

To set the configuration switches, remove the back panel which is secured by two screws. Then slide the cover back to expose the switches.

The switches can be changed with power applied and the changes take effect immediately.

SW1 to SW6
ADR GROUP SELECTION

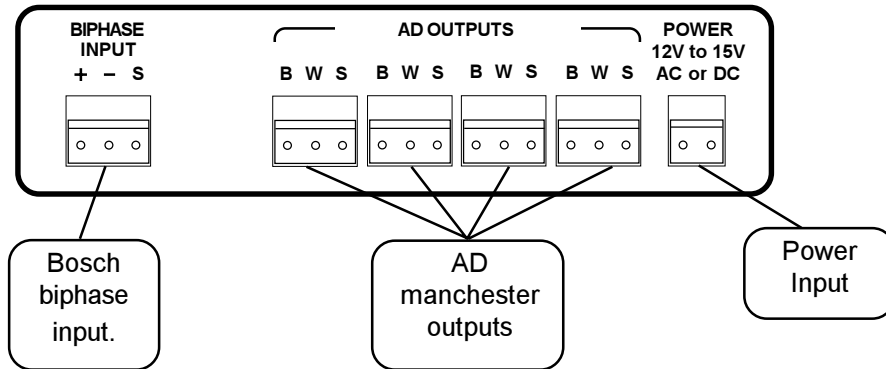
Cameras	sw1	sw2	sw3	sw4	sw5	sw6
0001-0064	Off	Off	Off	Off	Off	Off
0065-0128	On	Off	Off	Off	Off	Off
0129-0192	Off	On	Off	Off	Off	Off
0193-0256	On	On	Off	Off	Off	Off
0257-0320	Off	Off	On	Off	Off	Off
0321-0384	On	Off	On	Off	Off	Off
0385-0448	Off	On	On	Off	Off	Off
0449-0512	On	On	On	Off	Off	Off
0513-0576	Off	Off	Off	On	Off	Off
0577-0640	On	Off	Off	On	Off	Off
0641-0704	Off	On	Off	On	Off	Off
0705-0768	On	On	Off	On	Off	Off
0769-0832	Off	Off	On	On	Off	Off
0833-0896	On	Off	On	On	Off	Off
0897-0960	Off	On	On	On	Off	Off
1023-1024	On	On	On	On	Off	Off
1025-1088	Off	Off	Off	Off	On	Off
1089-1152	On	Off	Off	Off	On	Off
1153-1216	Off	On	Off	Off	On	Off
1217-1280	On	On	Off	Off	On	Off
1281-1344	Off	Off	On	Off	On	Off
1345-1408	On	Off	On	Off	On	Off
1409-1472	Off	On	On	Off	On	Off
1473-1536	On	On	On	Off	On	Off
1537-1600	Off	Off	Off	On	On	Off
1601-1664	On	Off	Off	On	On	Off
1665-1728	Off	On	Off	On	On	Off
1729-1792	On	On	Off	On	On	Off
1793-1856	Off	Off	On	On	On	Off
1857-1920	On	Off	On	On	On	Off
1921-1984	Off	On	On	On	On	Off
1985-2048	On	On	On	On	On	Off
2049-2112	Off	Off	Off	Off	Off	On
2113-2176	On	Off	Off	Off	Off	On
2177-2240	Off	On	Off	Off	Off	On
2241-2304	On	On	Off	Off	Off	On
2305-2368	Off	Off	On	Off	Off	On
2369-2432	On	Off	On	Off	Off	On
2433-2496	Off	On	On	Off	Off	On
2497-2560	On	On	On	Off	Off	On
2561-2624	Off	Off	Off	On	Off	On
2625-2688	On	Off	Off	On	Off	On
2689-2752	Off	On	Off	On	Off	On
2753-2816	On	On	Off	On	Off	On
2817-2880	Off	Off	On	On	Off	On
2881-2944	On	Off	On	On	Off	On
2945-3008	Off	On	On	On	Off	On
3009-3072	On	On	On	On	Off	On
3073-3136	Off	Off	Off	Off	On	On
3137-3200	On	Off	Off	Off	On	On
3201-3264	Off	On	Off	Off	On	On
3265-3328	On	On	Off	Off	On	On
3329-3392	Off	Off	On	Off	On	On
3393-3456	On	Off	On	Off	On	On
3457-3520	Off	On	On	Off	On	On
3521-3584	On	On	On	Off	On	On
3585-3648	Off	Off	Off	On	On	On
3649-3712	On	Off	Off	On	On	On
3713-3776	Off	On	Off	On	On	On
3777-3840	On	On	Off	On	On	On
3841-3904	Off	Off	On	On	On	On
3905-3968	On	Off	On	On	On	On
3969-4032	Off	On	On	On	On	On
4033-4096	On	On	On	On	On	On

AD Code Type

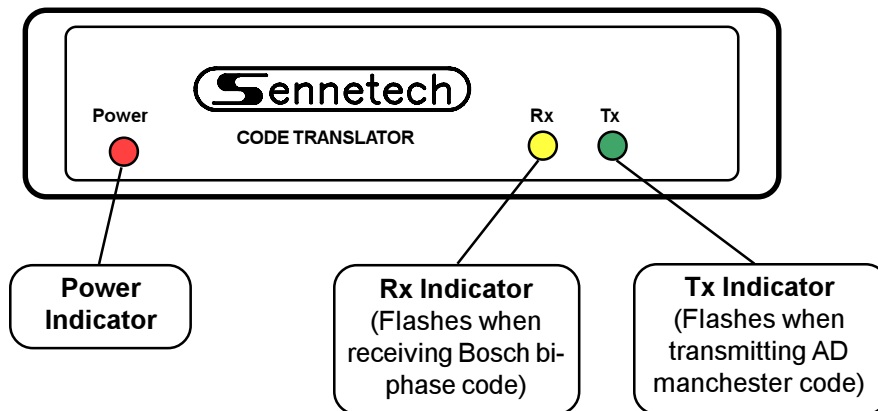
On: Variable speed rcvrs.
Off: Fixed speed rcvrs

INSTALLATION

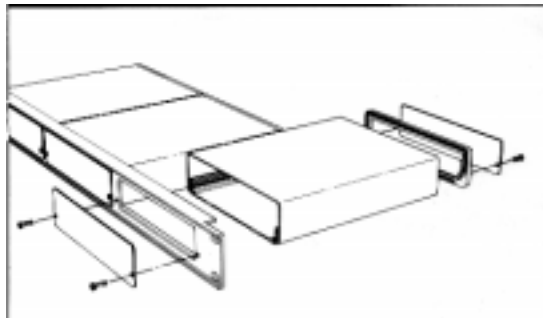
REAR PANEL



FRONT PANEL



To install the case on the rack mount frame, remove the front panel and the plastic bezel. The rack mount frame takes the place of the bezel as shown below.



OPERATION

The Bosch camera control commands are converted to American Dynamics commands according to the following table.

<u>BOSCH COMMAND</u>	<u>AD COMMAND</u>
Pan Left/Right	Pan Left/Right
Tilt Up/Down	Tilt Up/Down
Zoom In/Out	Zoom In/Out
Focus Near/Far	Focus Near/Far
Iris Close/Open	Iris Close/Open
On 1~3	Aux On 1~3
Off 1~3	Aux Off 1~3
SHOT 1~72	Call shot 1~72
Set 1~72	Set shot 1~72

BLOCK 1		BLOCK 2		BLOCK 3		BLOCK 4		BLOCK 5		BLOCK 6		BLOCK 7		BLOCK 8	
BOSCH	AD	BOSCH	AD	BOSCH	AD	BOSCH	AD	BOSCH	AD	BOSCH	AD	BOSCH	AD	BOSCH	AD
1	1	65	1	129	1	193	1	257	1	321	1	385	1	449	1
2	2	66	2	130	2	194	2	258	2	322	2	386	2	450	2
3	3	67	3	131	3	195	3	259	3	323	3	387	3	451	3
4	4	68	4	132	4	196	4	260	4	324	4	388	4	452	4
5	5	69	5	133	5	197	5	261	5	325	5	389	5	453	5
6	6	70	6	134	6	198	6	262	6	326	6	390	6	454	6
7	7	71	7	135	7	199	7	263	7	327	7	391	7	455	7
8	8	72	8	136	8	200	8	264	8	328	8	392	8	456	8
9	9	73	9	137	9	201	9	265	9	329	9	393	9	457	9
10	10	74	10	138	10	202	10	266	10	330	10	394	10	458	10
11	11	75	11	139	11	203	11	267	11	331	11	395	11	459	11
12	12	76	12	140	12	204	12	268	12	332	12	396	12	460	12
13	13	77	13	141	13	205	13	269	13	333	13	397	13	461	13
14	14	78	14	142	14	206	14	270	14	334	14	398	14	462	14
15	15	79	15	143	15	207	15	271	15	335	15	399	15	463	15
16	16	80	16	144	16	208	16	272	16	336	16	400	16	464	16
17	17	81	17	145	17	209	17	273	17	337	17	401	17	465	17
18	18	82	18	146	18	210	18	274	18	338	18	402	18	466	18
19	19	83	19	147	19	211	19	275	19	339	19	403	19	467	19
20	20	84	20	148	20	212	20	276	20	340	20	404	20	468	20
21	21	85	21	149	21	213	21	277	21	341	21	405	21	469	21
22	22	86	22	150	22	214	22	278	22	342	22	406	22	470	22
23	23	87	23	151	23	215	23	279	23	343	23	407	23	471	23
24	24	88	24	152	24	216	24	280	24	344	24	408	24	472	24
25	25	89	25	153	25	217	25	281	25	345	25	409	25	473	25
26	26	90	26	154	26	218	26	282	26	346	26	410	26	474	26
27	27	91	27	155	27	219	27	283	27	347	27	411	27	475	27
28	28	92	28	156	28	220	28	284	28	348	28	412	28	476	28
29	29	93	29	157	29	221	29	285	29	349	29	413	29	477	29
30	30	94	30	158	30	222	30	286	30	350	30	414	30	478	30
31	31	95	31	159	31	223	31	287	31	351	31	415	31	479	31
32	32	96	32	160	32	224	32	288	32	352	32	416	32	480	32
33	33	97	33	161	33	225	33	289	33	353	33	417	33	481	33
34	34	98	34	162	34	226	34	290	34	354	34	418	34	482	34
35	35	99	35	163	35	227	35	291	35	355	35	419	35	483	35
36	36	100	36	164	36	228	36	292	36	356	36	420	36	484	36
37	37	101	37	165	37	229	37	293	37	357	37	421	37	485	37
38	38	102	38	166	38	230	38	294	38	358	38	422	38	486	38
39	39	103	39	167	39	231	39	295	39	359	39	423	39	487	39
40	40	104	40	168	40	232	40	296	40	360	40	424	40	488	40
41	41	105	41	169	41	233	41	297	41	361	41	425	41	489	41
42	42	106	42	170	42	234	42	298	42	362	42	426	42	490	42
43	43	107	43	171	43	235	43	299	43	363	43	427	43	491	43
44	44	108	44	172	44	236	44	300	44	364	44	428	44	492	44
45	45	109	45	173	45	237	45	301	45	365	45	429	45	493	45
46	46	110	46	174	46	238	46	302	46	366	46	430	46	494	46
47	47	111	47	175	47	239	47	303	47	367	47	431	47	495	47
48	48	112	48	176	48	240	48	304	48	368	48	432	48	496	48
49	49	113	49	177	49	241	49	305	49	369	49	433	49	497	49
50	50	114	50	178	50	242	50	306	50	370	50	434	50	498	50
51	51	115	51	179	51	243	51	307	51	371	51	435	51	499	51
52	52	116	52	180	52	244	52	308	52	372	52	436	52	500	52
53	53	117	53	181	53	245	53	309	53	373	53	437	53	501	53
54	54	118	54	182	54	246	54	310	54	374	54	438	54	502	54
55	55	119	55	183	55	247	55	311	55	375	55	439	55	503	55
56	56	120	56	184	56	248	56	312	56	376	56	440	56	504	56
57	57	121	57	185	57	249	57	313	57	377	57	441	57	505	57
58	58	122	58	186	58	250	58	314	58	378	58	442	58	506	58
59	59	123	59	187	59	251	59	315	59	379	59	443	59	507	59
60	60	124	60	188	60	252	60	316	60	380	60	444	60	508	60
61	61	125	61	189	61	253	61	317	61	381	61	445	61	509	61
62	62	126	62	190	62	254	62	318	62	382	62	446	62	510	62
63	63	127	63	191	63	255	63	319	63	383	63	447	63	511	63
64	64	128	64	192	64	256	64	320	64	384	64	448	64	512	64

BLOCK 9		BLOCK 10		BLOCK 11		BLOCK 12		BLOCK 13		BLOCK 14		BLOCK 15		BLOCK 16	
BOSCH	AD	BOSCH	AD	BOSCH	AD	BOSCH	AD	BOSCH	AD	BOSCH	AD	BOSCH	AD	BOSCH	AD
513	1	577	1	641	1	705	1	769	1	833	1	897	1	961	1
514	2	578	2	642	2	706	2	770	2	834	2	898	2	962	2
515	3	579	3	643	3	707	3	771	3	835	3	899	3	963	3
516	4	580	4	644	4	708	4	772	4	836	4	900	4	964	4
517	5	581	5	645	5	709	5	773	5	837	5	901	5	965	5
518	6	582	6	646	6	710	6	774	6	838	6	902	6	966	6
519	7	583	7	647	7	711	7	775	7	839	7	903	7	967	7
520	8	584	8	648	8	712	8	776	8	840	8	904	8	968	8
521	9	585	9	649	9	713	9	777	9	841	9	905	9	969	9
522	10	586	10	650	10	714	10	778	10	842	10	906	10	970	10
523	11	587	11	651	11	715	11	779	11	843	11	907	11	971	11
524	12	588	12	652	12	716	12	780	12	844	12	908	12	972	12
525	13	589	13	653	13	717	13	781	13	845	13	909	13	973	13
526	14	590	14	654	14	718	14	782	14	846	14	910	14	974	14
527	15	591	15	655	15	719	15	783	15	847	15	911	15	975	15
528	16	592	16	656	16	720	16	784	16	848	16	912	16	976	16
529	17	593	17	657	17	721	17	785	17	849	17	913	17	977	17
530	18	594	18	658	18	722	18	786	18	850	18	914	18	978	18
531	19	595	19	659	19	723	19	787	19	851	19	915	19	979	19
532	20	596	20	660	20	724	20	788	20	852	20	916	20	980	20
533	21	597	21	661	21	725	21	789	21	853	21	917	21	981	21
534	22	598	22	662	22	726	22	790	22	854	22	918	22	982	22
535	23	599	23	663	23	727	23	791	23	855	23	919	23	983	23
536	24	600	24	664	24	728	24	792	24	856	24	920	24	984	24
537	25	601	25	665	25	729	25	793	25	857	25	921	25	985	25
538	26	602	26	666	26	730	26	794	26	858	26	922	26	986	26
539	27	603	27	667	27	731	27	795	27	859	27	923	27	987	27
540	28	604	28	668	28	732	28	796	28	860	28	924	28	988	28
541	29	605	29	669	29	733	29	797	29	861	29	925	29	989	29
542	30	606	30	670	30	734	30	798	30	862	30	926	30	990	30
543	31	607	31	671	31	735	31	799	31	863	31	927	31	991	31
544	32	608	32	672	32	736	32	800	32	864	32	928	32	992	32
545	33	609	33	673	33	737	33	801	33	865	33	929	33	993	33
546	34	610	34	674	34	738	34	802	34	866	34	930	34	994	34
547	35	611	35	675	35	739	35	803	35	867	35	931	35	995	35
548	36	612	36	676	36	740	36	804	36	868	36	932	36	996	36
549	37	613	37	677	37	741	37	805	37	869	37	933	37	997	37
550	38	614	38	678	38	742	38	806	38	870	38	934	38	998	38
551	39	615	39	679	39	743	39	807	39	871	39	935	39	999	39
552	40	616	40	680	40	744	40	808	40	872	40	936	40	1000	40
553	41	617	41	681	41	745	41	809	41	873	41	937	41	1001	41
554	42	618	42	682	42	746	42	810	42	874	42	938	42	1002	42
555	43	619	43	683	43	747	43	811	43	875	43	939	43	1003	43
556	44	620	44	684	44	748	44	812	44	876	44	940	44	1004	44
557	45	621	45	685	45	749	45	813	45	877	45	941	45	1005	45
558	46	622	46	686	46	750	46	814	46	878	46	942	46	1006	46
559	47	623	47	687	47	751	47	815	47	879	47	943	47	1007	47
560	48	624	48	688	48	752	48	816	48	880	48	944	48	1008	48
561	49	625	49	689	49	753	49	817	49	881	49	945	49	1009	49
562	50	626	50	690	50	754	50	818	50	882	50	946	50	1010	50
563	51	627	51	691	51	755	51	819	51	883	51	947	51	1011	51
564	52	628	52	692	52	756	52	820	52	884	52	948	52	1012	52
565	53	629	53	693	53	757	53	821	53	885	53	949	53	1013	53
566	54	630	54	694	54	758	54	822	54	886	54	950	54	1014	54
567	55	631	55	695	55	759	55	823	55	887	55	951	55	1015	55
568	56	632	56	696	56	760	56	824	56	888	56	952	56	1016	56
569	57	633	57	697	57	761	57	825	57	889	57	953	57	1017	57
570	58	634	58	698	58	762	58	826	58	890	58	954	58	1018	58
571	59	635	59	699	59	763	59	827	59	891	59	955	59	1019	59
572	60	636	60	700	60	764	60	828	60	892	60	956	60	1020	60
573	61	637	61	701	61	765	61	829	61	893	61	957	61	1021	61
574	62	638	62	702	62	766	62	830	62	894	62	958	62	1022	62
575	63	639	63	703	63	767	63	831	63	895	63	959	63	1023	63
576	64	640	64	704	64	768	64	832	64	896	64	960	64	1024	64

