Digital Television Transmitters: pre-switchover network

This leaflet provides details of the Digital Terrestrial Television (DTT) transmitters which have not yet switched over to fully-digital operation (the 'low power' DTT network). Detailed information on post-switchover transmitter characteristics is available on the Ofcom website at www.ofcom.org.uk. Transmitters are grouped according to the ITV1 region that they broadcast, which will determine each transmitter's place in the digital switchover sequence. Details of the programme services carried in each multiplex are available on the Digital Television Group's website, www.dtg.org.uk/retailer.

While this information is believed to be correct at the time of preparation, changes to the DTT network will occur, particularly as more transmitters switch to digital. For the latest information, please see the Ofcom website, www.ofcom.org.uk, or Digital UK's website, www.digitaluk.co.uk.

Site Name	NGR	Avg. Aerial Height	Aerial Group	Multiplex 1 BBC			Multiplex 2 Digital 3&4			Multiplex A SDN			Multiplex B BBC			Multiplex C Arqiva			Multiplex D Arqiva		
				Channel	Offset	ERP (kW)	Channel	Offset	ERP (kW)	Channel	Offset	ERP (kW)	Channel	Offset	ERP (kW)	Channel	Offset	ERP (kW)	Channel	Offset	ERP (kW)
Anglia																					
Sandy Heath	TL204494	269	WH	42	-	20	45	-	20	43	+	20	67	0	20	40	+	20	46	+	20
Sudbury	TL913377	178	E/WH	49	+	7	68	0	8.1	48	+	5	39	0	7.5	54	0	1.5	50	+	1.1
Sudbury B	TL913377	184	E/WH				56	0	1.1												
Tacolneston	TM131958	221	C/DH	63	0	10	60	0	10	53	+	5	58	-	5	61	0	5	64	0	5
Central																					
Brierley Hill	SO916856	180	C/DV	68	0	0.1	65	-	0.2	56	-	0.1	59	-	0.2	66	+	0.1	62	-	0.08
Bromsgrove	SO948730	201	AV	34	+	0.05	29	-	0.03	33	-	0.03	23	-	0.03	26	-	0.03	30	-	0.05
Fenton	SJ903451	241	AV	34	-	0.1	30	-	0.1	22	+	0.1	25	+	0.1	28	+	0.05	32	+	0.05
Lark Stoke	SP187426	277	WV	21	0	0.03	31	0	0.03	24	+	0.03	27	+	0.03	57	0	0.03	60	0	0.03
Malvern	SO774464	209	E/WV	52	+	0.2	39	0	0.2	47	0	0.2	44	0	0.2	51	0	0.2	41	0	0.2
Nottingham	SK503435	181	WV	39	0	0.04	67	0	0.04	53	0	0.04	63	0	0.04	29	0	0.04	59	0	0.04
Oxford	SP567105	289	WH	34	0	10	68	0	10	51	-	6	52	-	6	48	0	8	29	0	8
Ridge Hill	SO630333	338	WH	53	0	2	57	0	2	60	0	2	63	0	2	42	0	2	45	0	2
Sutton Coldfield	SK113003	398	E/WH	41	+	8	44	+	8	47	+	8	51	+	8	52	+	8	55	0	8
The Wrekin	SJ628082	433	WH	21	0	2	31	0	2	24	+	2	27	+	2	53	0	1	57	0	1
The Wrekin B	SJ628082	430	WH	39	+	2	49	0	2	42	0	2	45	0	2						
Waltham	SK809233	403	WH	49	0	10	23	0	8	26	0	8	33	0	8	45	0	5	42	0	5
London																					
Crystal Palace	TQ339712	302	AH	25	-	20	22	-	20	32	-	20	28	-	20	34	+	20	29	-	20
Guildford	SU975486	172	BV	49	-	0.2	44	+	0.2	41	+	0.2	51	+	0.2	47	+	0.1	54	0	0.1
Hemel Hempstead	TL088045	210	E/WV	48	+	0.4	55	0	0.4	60	+	0.4	59	-	0.4	62	0	0.2	65	0	0.2
Reigate	TQ257521	281	WV	31	0	0.2	21	0	0.2	24	0	0.2	27	0	0.2	39	+	0.1	66	0	0.1
Meridian																					
Bluebell Hill	TQ757613	242	WH	59	0	3	24	0	2	27	0	2	45	-	3	42	-	3	39	0	3
Dover	TR274397	342	C/DH	68	0	1	61	+	2	55	-	2	58	+	2	57	+	1	60	-	0.5
Dover B	TR274397	356	E/WH	45	0	2	42	0	2							39	+	1			
Hannington	SU527568	351	E/WH	50	0	20	43	+	20	40	+	20	46	+	20	44	+	10	41	+	10
Hastings	TQ806100	127	WV	31	-	0.1	27	-	0.2	21	0	0.2	24	-	0.2	63	0	0.2	60	0	0.2
Heathfield	TQ566220	256	WH	34	0	1.6	29	0	1.6	48	-	1	47	-	1	54	0	1	51	-	1
Midhurst	SU912250	299	C/DH	56	+	2	65	+	2	62	+	2	59	+	2	64	-	2.5	60	+	1
Rowridge	SZ447865	260	AH	34	+	20	32	+	20	30	-	20	28	+	20	37	0	20	33	+	20
Salisbury	SU136285	156	C/DV	55	-	1	56	-	0.32	59	-	1	62	-	1	65	0	1	52	-	0.32
Tunbridge Wells	TQ607440	169	E/WV	55	0	0.1	61	0	0.1	42	+	0.1	45	+	0.1	39	0	0.1	59	0	0.1
Whitehawk Hill	TQ330045	172	C/DV	66	0	0.2	50	0	0.4	55	0	0.2	48	0	1	58	+	0.4	61	+	0.4
STV Central																					
Black Hill	NS828647	556	E/WH	41	+	20	47	+	20	44	+	20	51	+	20	55	0	20	65	0	20
Craigkelly	NT233872	312	K/WH	33	0	4	29	0	4	23	-	4	26	-	4	42	0	2	39	0	2
Darvel	NS557341	395	AH	22	-	4	25	-	4	32	-	4	28	-	4	30	+	2	34	0	2
Rosneath	NS258811	218	C/DV	67	0	0.2	53	-	0.2	57	-	0.2	60	-	0.2	63	-	0.2	48	0	0.2
Torosay	NM703358	478	AH	23	+	0.13	26	+	0.13	29	+	0.13	33	+	0.13	21	0	0.13	31	-	0.13
STV North																					
Angus	NO394407	549	C/DH	68	0	4	66	+	4	59	-	4	62	-	4	56	-	2	65	-	2
Bressay	HU503387	296	WV	21	0	1	24	-	1	27	-	1	31	-	1	66	0	1	68	0	1
Durris	NO763899	612	WH	30	0	20	34	0	20	52	+	20	51	-	10	41	0	5	44	0	5
Eitshal	NB305303	366	AH	34	+	0.8	30	+	0.8	22	-	0.8	25	-	0.8	28	-	0.8	32	-	0.8
Keelylang Hill	HY378102	270	BH	48	+	1	52	+	1	41	+	0.63	44	+	0.63	47	+	0.63	51	+	0.63
Knock More	NJ321497	435	WH	34	+	1	30	+	1	53	0	1	57	+	1	60	0	1	56	-	1
Rosemarkie	NH762623	323	E/WH	47	+	10	51	+	10	41	-	10	44	-	10	46	+	8	50	+	8
Rumster Forest	ND197385	440	WH	28	+	1	22	+	1	25	+	2	32	+	1	62	0	2	59	0	2

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Tyne Tees																					
Bilsdale	SE553962	685	K/WH	34	+	4.8	21	0	6	31	0	6	24	+	6	27	+	6	42	0	1.6
Chatton	NU105264	348	BH	40	+	6	50	+	6	43	+	6	46	+	6	47	+	2	51	+	2
Fenham	NZ216648	169	WV	30	-	0.04	22	+	0.04	25	+	0.04	28	+	0.04	32	+	0.02	57	+	0.02
Pontop Pike	NZ148526	450	C/DH	48	0	10	55	+	10	59	+	10	62	+	10	65	+	10	53	-	10
Ulster																					
Brougher Mountain	IH350527	370	AH	30	+	0.5	34	+	0.5	23	+	0.5	26	+	0.5	29	+	0.5	33	+	0.5
Divis	IJ287750	505	K/WH	29	0	2.3	33	-	2.3	23	-	2.3	26	-	2.3	48	0	2	34	+	1.6
Limavady	IC711296	389	C/DH	67	0	0.8	58	-	0.8	53	0	0.8	57	-	0.8	60	+	0.8	63	+	0.8
Wales																					
Aberdare	SO034013	333	AV	28	+	0.05	32	+	0.05	23	-	0.1	26	-	0.1	29	+	0.1	33	+	0.1
Blaenplwyf	SN569757	325	WH	28	+	2	22	+	2	25	+	2	32	+	2	29	+	1	33	+	1
Pontypool	ST284990	296	K/WV	52	0	0.02	48	0	0.02	42	0	0.02	45	0	0.02	22	+	0.01	28	+	0.01
Wenvoe	ST110742	324	WH	30	0	10	34	0	5	40	-	5	50	-	5	43	-	5	46	-	5
West																					
Bristol Ilchester Cres.	ST577700	99	BV	49	-	0.02	39	0	0.02	41	+	0.04	44	+	0.02	47	+	0.02	51	+	0.02
Bristol King's Weston	ST547775	136	WV	22	0	0.02	25	0	0.02	28	0	0.02	32	0	0.02	30	0	0.1	34	0	0.1
Mendip	ST564488	600	E/WH	59	+	10	55	+	10	62	+	10	65	+	10	56	+	10	67	0	10
Yorkshire																					
Belmont	TF218836	376	WH	30	0	10	48	0	20	68	0	10	66	0	10	60	0	4	57	+	4
Chesterfield	SK382764	231	WV	34	+	0.04	40	0	0.04	43	0	0.04	46	0	0.04	50	0	0.04	52	0	0.04
Emley Moor	SE222128	572	BH	52	+	10	40	-	10	43	-	10	46	-	10	50	-	10	49	-	4
Idle	SE163374	265	WV	45	0	0.01	53	0	0.01	34	0	0.01	56	0	0.01	30	-	0.01	42	0	0.006
Keighley	SE069444	355	WV	48	0	0.1	68	0	0.1	66	0	0.1	53	-	0.1	30	0	0.1	34	0	0.1
Oliver's Mount	TA040869	188	C/DV	49	0	0.1	67	+	0.1	54	+	0.1	58	+	0.1	61	+	0.1	64	+	0.1
Sheffield	SK324870	292	WV	39*	0	0.1	53	0	0.1	57	0	0.1	60	0	0.1	45	0	0.05	42	0	0.05

*Sheffield Multiplex 1 will move to channel 63 at 1kW ERP during March 2010.

Transmitters formerly carrying low-power DTT which have switched to high-power DTT as part of digital switchover:

Post-switchover frequency allocations are available at www.ofcom.org.uk/tv/ifi/tech/dsodetails

Border
Caldbeck
Selkirk

Granada
Lancaster
Pendle Forest
Saddleworth
Storeton
Winter Hill

Wales
Carmel
Kilvey Hill
Llanddona
Moel-y-Parc
Preseli

Westcountry
Beacon Hill
Caradon Hill
Huntshaw Cross
Plympton
Redruth
Stockland Hill

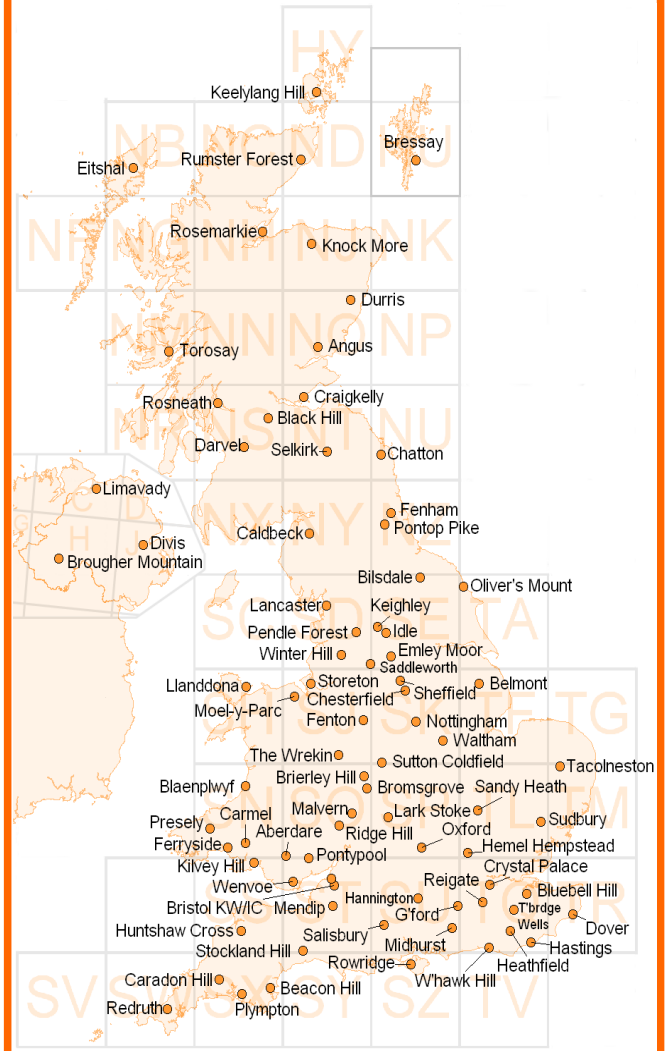
HD Advance Network

Multiplex B (BBC B) will be upgraded to carry high definition (HD) services using the DVB-T2 standard as part of the digital switchover process. Five transmitters in the pre-switchover network will also carry the DVB-T2 service as an additional (i.e. 7th) multiplex. All five 'advance' HD transmitters are expected to be in operation during Spring 2010, and details are provided below.

Site Name	ITV Region	NGR	Aerial Group	Channel	ERP (kW)
Lichfield	Central	SK164043	WH	34	4
Crystal Palace	London	TQ339712	AH	31	10
Black Hill	STV Central	NS828647	E/WH	59	10
Pontop Pike	Tyne Tees	NZ148526	C/DH	63	10
Emley Moor	Yorkshire	SE222128	E/WH	39	4

NGR: The transmitter's location in the British or Irish National Grid Reference systems. Grid References for transmtters in Northern Ireland are prefixed with 'I'
Average Aerial Heights: In metres above ordnance datum (mean sea level).
The suggested *Aerial Group* also takes account of co-sited analogue services.
'H' or 'V' following the Aerial Group indicates horizontally or vertically polarised transmissions respectively.
Frequency *Offset*s are either +166.67kHz or -166.67kHz. A zero indicates no offset.
ERP: Effective Radiatated Power of the multiplex in kilowatts.

Digital transmitter locations



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