

Automated Transmission Computer & Software



A look at the first hill to climb.
24 Hour Transmissions

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Radio Heatherwood 24 Hours A Day

- In partnership with other interested groups raise enough funds to install an automated broadcast system at Heatherwood. hospital for the benefit of patients and staff.
- The radio service will broadcast 24 hours a day offering entertainment, news & information using a computer operated program scheduler.





Automated Transmission Computer & Software Sustaining Service

- When Radio Heatherwood is not broadcasting its live programs using presenters we at present re-transmit Radio 2 on our frequency 999kHz A.M.

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Why Change to an Expensive Computer System to Deliver the Sustaining Service ?

- The sustaining service does not do justice to the local requirements of the hospital and local community. We aim to change this failing.
- 20 hours each day are taken up with service from a national station. If we could utilise that time to get a more local message broadcast it would benefit the hospital, League and radio.



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Automatic Program Scheduler Computer & Software

- The use of computers in radio stations is quite widespread and has been available for some years. The lowering of costs involved in computer hardware and the subsequent drop in the cost of the software makes it a viable option for which we can deliver our own sustaining service.
- In effect broadcasting 24 hours a day, a program schedule which is tailor made to our own locale.

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Benefits of using the Computer Software

- 1) Apart from allowing us the opportunity to deliver the sustaining service, it also allows us use of the airwaves to carry information etc during the day which we would have not considered practical before. (*Radio Heatherwood. is only available evenings and weekends at present*).
- 2) This gives us the opportunity to encourage more people to support the hospital in all it's activities, i.e. fundraising etc.
- 3) An opportunity to inform patients during their stay, of after care services available, once they leave, more information on services & charities working inside & outside the hospital for it's benefit and there's opportunities for promotion of involvement in these.
- 4) We can deliver a more dedicated service to our patients other than relaying other stations output, a true 24 hour service of music and local information.

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Computer/Software Contractor

■ The company who will be responsible for the installation of the computer network and software has been chosen from three possible suppliers.

Broadcast Computers & Software.

The software chosen is an American product which has a proven track record around the world. The company who are the nominated contractor are the authorized UK supplier and agents for the company.

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Demo Software

- A copy of the software chosen has been tested over the last six month's as to it's suitability.

WaveStation Radio Heatherwood 999kHz

File Edit Log Tools BSI Window Help

13:15:18 26 December 2000

Intro Count Up Count Down

00:00 00:05 00:58

Jidt3004 Greg & F Mac & Dion
RH Everywhere 03 (Riverdance)
Q:
Len: 01:14 Int: 00:00 Seg: 00:00
WAV IDTRAIL S: E:

Intro Count Up Count Down

00:00 00:00 00:14

+ Jidt1004 Vocal
Radio Heatherwood - Orchestral Mix
Q:
Len: 00:14 Int: 00:00 Seg: 00:00
WAV IDTRAIL S: E:

Intro Count Up Count Down

00:00 00:00 02:03

+ CD083604 Frankie Laine
Blazing Saddles
Q:
Len: 02:03 Int: 00:00 Seg: 00:00
WAV FILM&S S: E:

LOG: testcart - Cart Randomizer [Air Date: Unspecified]

Type	#	Status	Cue	Scheduled	Actual	Name	Length	Category	Description / Command Line
1	[1]	+			13:15:58	Jidt3004	01:14	IDTRAIL	Greg & F Mac & Dion - RH Everywhere 03
2	[2]	+				cart4001	00:01	IDTRAIL	PJ - Radio Heatherwood Id's
3	[3]	+				cama0001	00:01	COUNTRY	Various Country - Country & Western
4		+				PS001602	03:20	1960'S	Tom Jones - Delilah
5		+				Hook1	00:01	ARTISTS	Tom Jones - Jones List
6		+				PS001603	03:29	1980'S	Tom Jones - Kiss
7		+				cart4001	00:01	IDTRAIL	PJ - Station Mixes
8		+				PS001605	02:51	1970'S	Tom Jones - She's A Lady
9		+				Cans0001	00:01	JINGLE	Various - Jingles Non Specific
10		+				cart4001	00:01	IDTRAIL	PJ - Station Mixes
11		+				PS001612	03:19	1960'S	Tom Jones - I'm Coming Home
12		+				PS001618	02:16	1970'S	Tom Jones - Till
13		+				cama0001	00:01	COUNTRY	Various Country - Country & Western
14		+				cart4001	00:01	IDTRAIL	PJ - Station Mixes
15		+				PS001617	03:48	1990'S	Tom Jones - Couldn't Say Goodbye

Time Events are OFF Triggers are OFF - NONE Automation: Full - 0ms Event Log is ON

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Demo Software

WaveStation Radio Heatherwood 999kHz

File Edit Log Tools BSI Window Help

13:16:13 26 December 2000

Intro Count Up Count Down

00:00 00:05 00:58

Jidt3004 Greg & F Mac & Dion
RH Everywhere 03 (Riverdance)
Q:
Len: 01:14 Int: 00:00 Seg: 00:00
WAV IDTRAIL S: E:

Intro Count Up Count Down

00:00 00:00 00:14

+ Jidt1004 Vocal
Radio Heatherwood - Orchestral Mix
Q:
Len: 00:14 Int: 00:00 Seg: 00:00
WAV IDTRAIL S: E:

Intro Count Up Count Down

00:00 00:00 00:03

+ CD083604 Frankie Laine
Blazing Saddles
Q:
Len: 02:03 Int: 00:00 Seg: 00:00
WAV FILM&S S: E:

LOG: testcart - Cart Randomizer [Air Date: Unspecified]

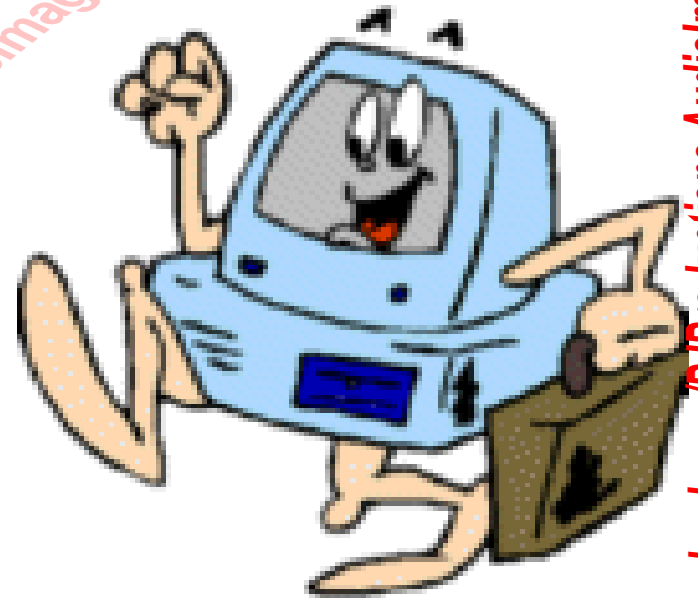
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Music Library

■ In preparation for the introduction of the service a selection of 7000 records have been recorded ready to be transferred to the computer for program scheduling. This has taken 6 month's to complete.



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Timetable

- The introduction and implementation of the new automated program schedule will be determined by the receipt of adequate funding. After all monies have been received it is envisaged introduction for a few hours a day can commence within three month's, building to 20 hrs within six month's.

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Project Costs Hardware

item no	Description Hard Ware	Supplier	Unit Cost	Qty	Nett Total	Vat	Gross Total	
1	Personal Computer	Dell	£ 2,000.00	2	£ 4,000.00	N/A	£4,000.00	inc vat
2	Power Backup	Watford	£ 150.00	2	£ 300.00	N/A	£ 300.00	inc vat
3	Add Soundcard Turtle Beach Montego 2 Plus	Watford	£ 110.60	2	£ 221.20	N/A	£ 221.20	inc vat
4	Add Mitsubishi Diamond 17'	Watford	£ 180.00	2	£ 360.00	£ 63.00	£ 423.00	inc vat
5	Interface for add screens keyboard	Keyzone	£ 135.00	1	£ 135.00	£ 23.63	£ 158.63	inc vat
6	Add Keyboards	Watford	£ 6.00	2	£ 12.00	£ 2.10	£ 14.10	inc vat
7	Audio Interface Units							
	STDA-3 Line Level Unit	Canford Audio	£ 103.00	5	£ 515.00	£ 90.13	£ 605.13	inc vat
	STA-1 Unbalanced unit	Canford Audio	£ 111.00	2	£ 222.00	£ 38.85	£ 260.85	inc vat
	ST-PD5 Power Unit	Canford Audio	£ 52.17	2	£ 104.34	£ 18.26	£ 122.60	inc vat
	STR-19A Rack Unit	Canford Audio	£ 100.50	1	£ 100.50	£ 17.59	£ 118.09	inc vat
8	Control Trigger Interface Units	BSI	£ 443.75	1	£ 443.75	£ 77.66	£ 521.41	inc vat
9	Equipment Rack	Studio Spares	£ 150.00	1	£ 150.00	£ 26.25	£ 176.25	inc vat
10	Misc Connectors Cable Etc	Misc	£ 200.00	1	£ 200.00	£ 35.00	£ 235.00	inc vat
					£6,763.79	£392.45	£7,156.24	inc vat

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Project Costs Software

	Software	Supplier	Unit Cost	Qty	Nett Total	Vat	Gross Total
1	Wavestation Software	BSI	£ 650.00	2	£ 1,300.00	£ 227.50	£1,527.50
2	Wavecart Software	BSI	£ 160.00	1	£ 160.00	£ 28.00	£ 188.00
3	Symantec Norton Anti Virus 2000	Watford	£ 24.00	2	£ 48.00	£ 8.40	£ 56.40
4	Cooledit2000 Music/Speech Editor	Syntrillium	£ 61.25	2	£ 122.50	£ 21.44	£ 143.94
5	Hi Space Blank Media CDR	Watford	£ 6.95	3	£ 20.85	£ 3.65	£ 24.50
6	Access Database Program	Watford	£ 439.00	1	£ 439.00	£ 76.83	£ 515.83

Software	£ 2,090.35	£365.81	£ 2,456.16 inc vat
Hardware	£6,763.79	£392.45	£7,156.24 inc vat
Total Cost	£ 8,854.14	£758.26	£ 9,612.40 inc vat

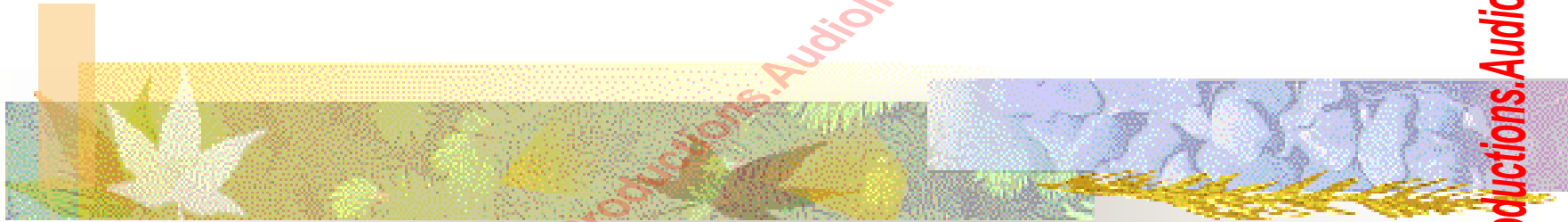
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Costs Cont:-

- All the equipment and software prices have been taken from currently advertised prices, with the exception of the personal computers required. The prices of computers are constantly changing.
- A figure of £4000 Inc vat has been set aside for the computers as it is envisaged this would be adequate in obtaining the current models.
- Taking into consideration various sources for the items required the companies identified are currently the least expensive suppliers.

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The Overall Funding Required for the
New 24 Hour Service
£9,612.40 pounds.

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