



the Next Generation of the #1 Satellite Automation system

Digilink-Xtreme

... The #1 manufacturer of satellite automation systems for Radio would like to introduce you to Digilink-Xtreme, the most important advance in Radio automation in more than a decade. Combining the best of PC computers and the best of professional Broadcast audio hardware, Arrakis has reinvented Satellite automation, ... again !



an entire Radio station for only \$100 per month



the XTREME Solutions Program

everything that you need for professional installation, training, upgrades, and support for only \$100 per month.

- No contract... return at any time
- Free telephone training and support
- Free training at the Fort Collins factory
- Free software upgrades
- Free hardware upgrades
- No risk decision, easy to try out... only \$100/month
- Arrakis supplies the software & Bridge... you supply the PC.



the NEXT generation for DLII, DLIII, and DL-IV systems...

what makes Digilink-Xtreme special?

SIMPLE... we use almost any inexpensive PC to store and play the audio ... while... we do all of the hard work **OUTSIDE** the PC in our hardware!



Professional Broadcast Hardware

connect your PC to the rest of your station through powerful Digilink hardware

Easy to use Windows Software

produce, store, play and network your audio on a standard Windows PC

... The unique strength of Digilink-Xtreme is due to the power of our Digilink 'Bridge' hardware. You simply plug almost any current Windows PC into the 'Bridge' and it turns that inexpensive PC into a professional audio workstation. It has 3 built-in routing switchers, satellite and control logic, silence sensor, dual sound cards, and professional balanced analog audio IO. With dual sound cards built into the 'Bridge', a sound card is not required in the PC itself. This means that you do not need a custom PC that is expensive and difficult to service. Digilink-Xtreme is the RIGHT way to do digital automation for Radio.

why should DL2 & DL3 users **upgrade NOW?**

Obsolete... most parts for DL2s or DL3s are gone.

It is **EASY...** we make the transition almost painless.
We can even copy your audio files to the new PC

Familiar... Xtreme uses the same scheduling, same basic features, same familiar ways of doing things!

... The Digilink family of products have been the #1 selling satellite automation systems of all time. Thousands of DL2s and DL3s were sold over the last 12 years and are still on the air around the world. While their features and performance continue to meet most broadcaster's needs, PC technology has relentlessly marched on and repair parts are no longer manufactured. The time to change over is now, before your station is off the air.

The good news is that Digilink-Xtreme costs much less than earlier systems. It also does FAR more than DL2s and DL3s while maintaining Digilink's renowned ease of use.

Comparison	DL3	DL~X
Features		
Software	DOS	Windows
Network audio Xfer speed	very slow, 1:1	very fast, >10:1
Internet friendly	No	Yes
3rd Party Editors	No	Yes
Jingle button array	No	Yes
Event Based automation	No	Yes
Remote control Access	No	Yes
Length of audio overlap	4 sec max	unlimited
Number of overlap files	2	3
Audio Outputs	DL2: 1, DL3:2	2
CPU	286,386,586 133MHz max	Pentium and higher
Max Hard drive	DL2 :2-9GB, DL3: 18GB	any size
Audio Hard Drive Type	SCSI only	IDE & SCSI
Audio Format	ADPCM, linear	MP2, MP3, Wav
Audio Export	No	Yes
High Quality Compression	2:1	6:1 and above
Proprietary Audio Cards	Yes	No
Networking		
Type	Lantastic only	any
Speed	10MHz	10,100,1000 MHz
Cabling	coax only	Cat 5, coax (all)
Audio transfer time	slow (1:1 real time)	> 10 time faster
Play audio across the network	No	Yes
Hardware		
Motherboards	obsolete(unavailable)	any current PC
IDE drives	obsolete (Bios won't recognize)	
SCSI drives	50 pin narrow (obsolete)	
Boards	ISA (difficult to find)	
A/Ds and D/As	obsolete	
Power supplies	AT style (difficult to find)	
IO boards	difficult to find	

the NEXT generation for DLII, DLIII, and DL-IV systems...

On Air Live Assist

The screenshot shows the Digilink-Xtreme software interface. On the left is a 6-slot cart deck with the following information for each slot:

- Slot 1: STOP, 10086, Hold Me, Headwood Moe[R1UWV], 03:34.2, 15:31:50.7
- Slot 2: 10049, Groovin', The Young Rascals[RUKN], 02:31.6, 15:22:53.7
- Slot 3: 10030, Kryptonite, Home Dates Down 19[HRZ], 03:56.0, 15:24:55.8
- Slot 4: 20017, mix 3 files to Air, Arrakis Jingle[], 00:10.6, 15:28:45.7
- Slot 5: 10079, Centerfold, J. Geils Band, The[GRUJ], 03:35.5, 15:28:55.3
- Slot 6: Empty

At the top, there is a 'Time of Day Clock' showing 15:18:57. On the right is a 'Cart Wall Directory of Carts and Jingle Button array' with 10 pages of 30 buttons each. Callouts point to various features: 'Count down Event Timer' (top left), 'Playing Cart' (middle left), '6 Player Cart Deck' (left side), and 'Carts display Cart #, Title, Text, length, intro count-down, tagged text' (bottom left).

Find Carts by
Cart #, Title,
Text, or
Time

Powerful, flexible, and yet
easy to use

... Digilink-Xtreme has many powerful live assist features while remaining very easy to use. The screen has a six slot cart deck on the left and a multi-use cart wall on the right. The cart wall can be switched between an easily searched cart directory or an assignable Jingle array. When in directory mode, the carts can be sorted by Cart #, title, artist, or time. When in jingle mode, up to 10 pages of 30 buttons can be preassigned to support any type of live on air show. The six slot cart deck can have carts manually assigned from the directory or the carts can be automatically fed from an automation play list. The tagged text feature will pop up a text window over the cart directory. Full featured and easy to use, Digilink-Xtreme is ideal for Live Assist on air applications.

the NEXT generation for DLII, DLIII, and DL-IV systems...

Satellite Automation

Time of Day
Clock

Cart Wall Directory of Carts
and
Jingle Button array
(10 pages of 30 buttons)

Count down
Timer to Start
of Next Break



Find Carts by
Cart #, Title,
Text, or
Time

... full featured Satellite with
powerful Hard disk automation features too

... Digilink-Xtreme easily performs sophisticated satellite automation. Stopset breaks are automatically fed to the 6 slot cart deck from the one week, rotating automation schedule. Break events in the list mark the beginning of each stopset. Break events can be timed or satellite triggered. To make each break the exact correct length for perfect network rejoins, Xtreme features time adjust for every audio file so that even a 31.5 second spot will play back in 30 seconds. Xtreme even features Autofill so if a last minute spot doesn't quite get produced, then Xtreme will replace the spot with a file from a user selected list. Even rain delayed ball games are easy with Xtreme. Developed from more than a decade of experience as the #1 satellite automation company in the world, Xtreme is even more feature laden and easy to use than its predecessors.

the NEXT generation for DLII, DLIII, and DL-IV systems...

Audio Production

X-edit-pro
Cut & splice editor with
Stereo Production mixer



**On Air Phoner
Recorder-editor**



**Voice track recorder
in Scheduler**



**Network Timed
Recorder and
Manual recorder in
Xtreme**

Help: displays the list of all timed record events in the schedule

Day	Hour	Min	Sec	CC	CC	Type	right	Audio-File-Data
1-Sunday	00	30	00	CC	CC	0-Timed (T)	CC-CC	File: News 1
2-Monday	00	31	00	CC	CC	1-Closure (C)	01-LL	File: TEST pos
3-Tuesday	00	32	00	CC	CC	2-Closure (C)	01-LL	File: TEST pos
4-Wednesday	00	33	00	CC	CC	3-Closure (C)	01-LL	File: TEST pos
5-Thursday	00	34	00	CC	CC	4-Closure (C)	01-LL	File: TEST pos
6-Friday	00	35	00	CC	CC	5-Closure (C)	01-LL	File: TEST pos
7-Saturday	00	36	00	CC	CC	6-Closure (C)	01-LL	File: TEST pos

Day	Hour	Min	Sec	Type	Days	Day and Part	Audio	Event	And	Change	Event
1	Sunday	00:00:00	00	0	Timed (D)	00:30	News 1	CCD	News		
2	Monday	00:00:00	00	0	Timed (D)	00:30	News 1	CBS	News		
3	Tuesday	00:00:00	00	0	Timed (D)	00:30	News 1	CRP	News		
4	Wednesday	00:00:00	00	0	Timed (D)	00:30	News 1	PHN	News		
5	Thursday	00:00:00	00	0	Timed (D)	00:30	News 1	ODU	News		
6	Friday	00:00:00	00	0	Timed (D)	00:30	News 1	CCD	News		
7	Saturday	00:00:00	00	0	Timed (D)	00:30	News 1	CBS	News		

... Digilink-Xtreme features a powerful capability to record to the connected PC. The recorder has a 16 input routing switcher in the 'Bridge' to select the audio source. The recorder can be controlled manually or can be set to auto-record based on time or network closure. The auto-record feature is ideal for Satellite automation.

Xtreme also has a voice track recorder, on air phoner recorder-editor, AND X-edit-pro... which is a stand-alone recorder-editor for sophisticated Radio production.

the NEXT generation for DLII, DLIII, and DL-IV systems...

Traffic & Music Scheduling

Advanced Event directory chooses among audio, source, satellite, control & other event types

Select timed or satellite event triggers, set length, and more for your event

Import a 3rd party Traffic or Music schedule

Add the selected event to the play list for the selected Hour & Day

Select from the 24 hours in a day

Select from the 7 days in a day

Copy & Paste schedules between hours and days

Quickly Voice Track your show



... The powerful built in scheduler features a rotating one week schedule of up to 100 events per hour. Events can be manually scheduled or imported from all leading 3rd party traffic and music schedule systems. Xtreme uses the standard Digilink traffic schedule so it works with the scheduling system that you use with your current DL2 or DL3.

built in and easy to use Music Scheduling

... assign songs to up to 25 music categories and hundreds of format clocks.

fast, powerful & easy Voice Tracking

... just click on a line in the schedule and the voice track button and start talking. Voice tracking is that easy.

the NEXT generation for DLII, DLIII, and DL-IV systems...

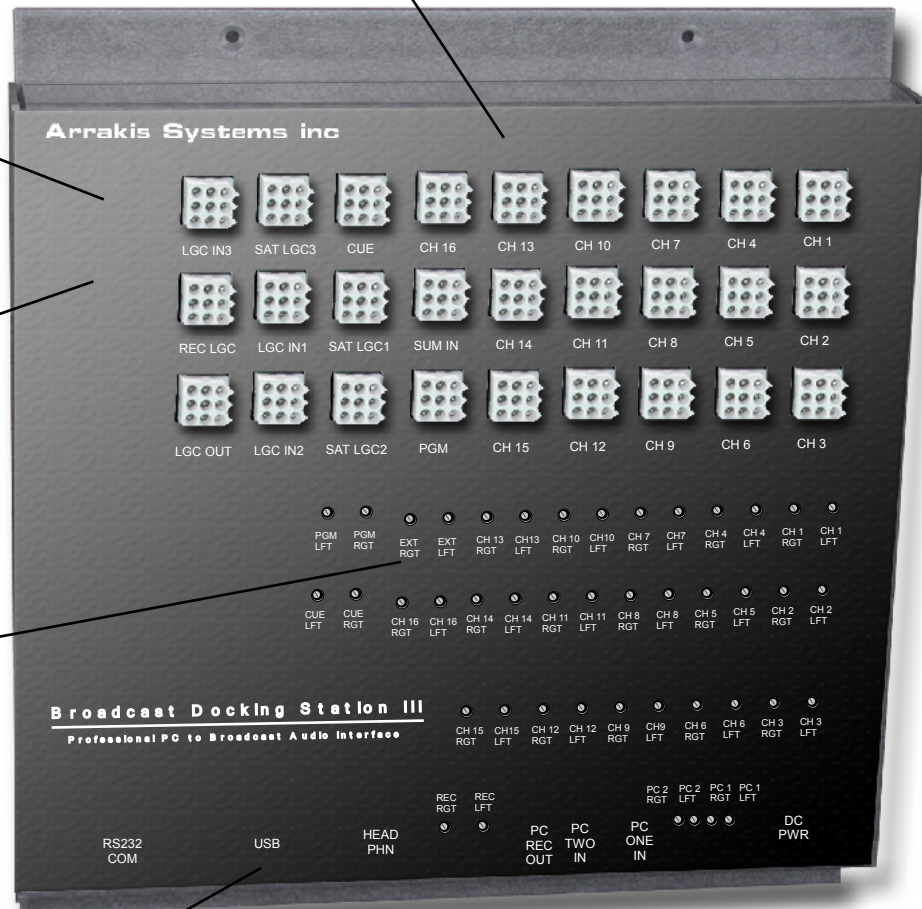
PC 'BRIDGE' Hardware

*industry standard
Molex connectors
make installation
quick and easy*

*all analog
audio inputs
and outputs
are high quality
active balanced
circuits*

*all switcher
source inputs
feature source
start and stop
logic*

*easily accessi-
ble trim pots
set all analog
input and out-
put levels*



*plug your PC USB in here
to use the docking sta-
tion's internal sound cards*

*... just plug your PC into one side and
your Radio station into the other side*

... Digilink-Xtreme is not a complex custom computer with special audio and logic interface cards. Those custom PCs are expensive, difficult to set up, and require specialized service. Instead, with Digilink-Xtreme you take an ordinary off the shelf PC and plug it into a powerful piece of broadcast hardware with all of the audio switching, logic, and control built in.

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PCcomputer

Digilink-Xtreme only
requires a standard off-
the-shelf Windows
compatible PC



Type:	Windows compatible
Operating System:	XP PRO preferred <i>(if not XP, then special USB audio sound drivers may be required for 'Bridge')</i>
Speed:	1GHZ or above
RAM:	500MB+ recommended
Hard disk:	determined by audio requirements (30GB is 350 hours at 256kHz sampling, MP2)
Ports:	RS232 serial port, (internal preferred, or external USB to serial) USB for internal sound cards
CDROM:	Yes,
Network:	your choice

... Digilink-Xtreme does not require a special custom PC. A standard off-the-shelf Windows compatible PC as described on this page is all that is required. The special requirements for satellite logic interfacing, audio routing switcher, balanced high level audio IO, etc are provided in the Xtreme 'Bridge' hardware included with Digilink-Xtreme.

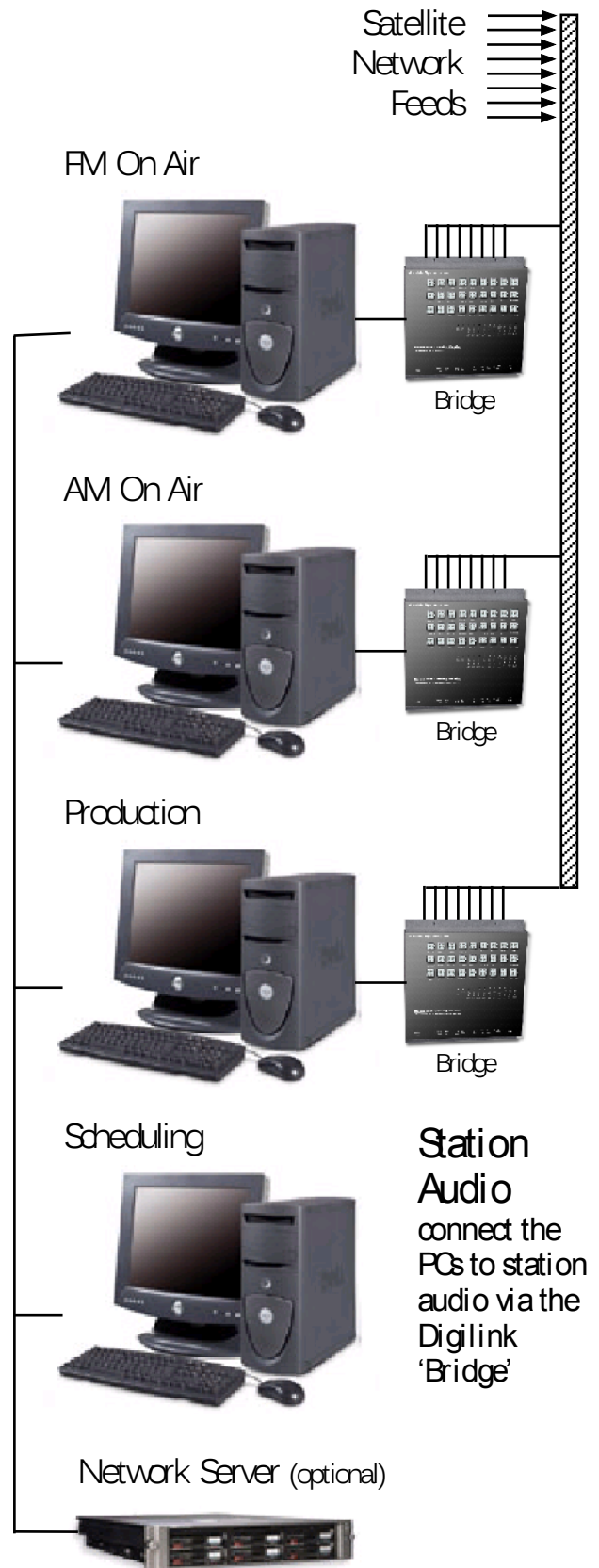
The 'Bridge' has a USB connection for the two internal sound cards. It is controlled from the PC by a standard RS232 serial connection. Two plug in cables (provided with Xtreme) and your PC wiring is complete... EASY!

Networking Multiple Studios

In Digilink-Xtreme, audio files are stored on PC hard disk and played back through the Windows sound system on the PC. Audio files can be produced with PC editing software on one computer and then network transferred to another computer for playback.

The PC connects to the broadcast world through the Digilink-Xtreme 'Bridge'. The 'Bridge' has a 16 input by 3 output audio routing switcher for connection to satellite and other networks as well as all of the logic required for satellite automation and console control.

PC Network
distribute audio files and schedule files between studios over a computer network



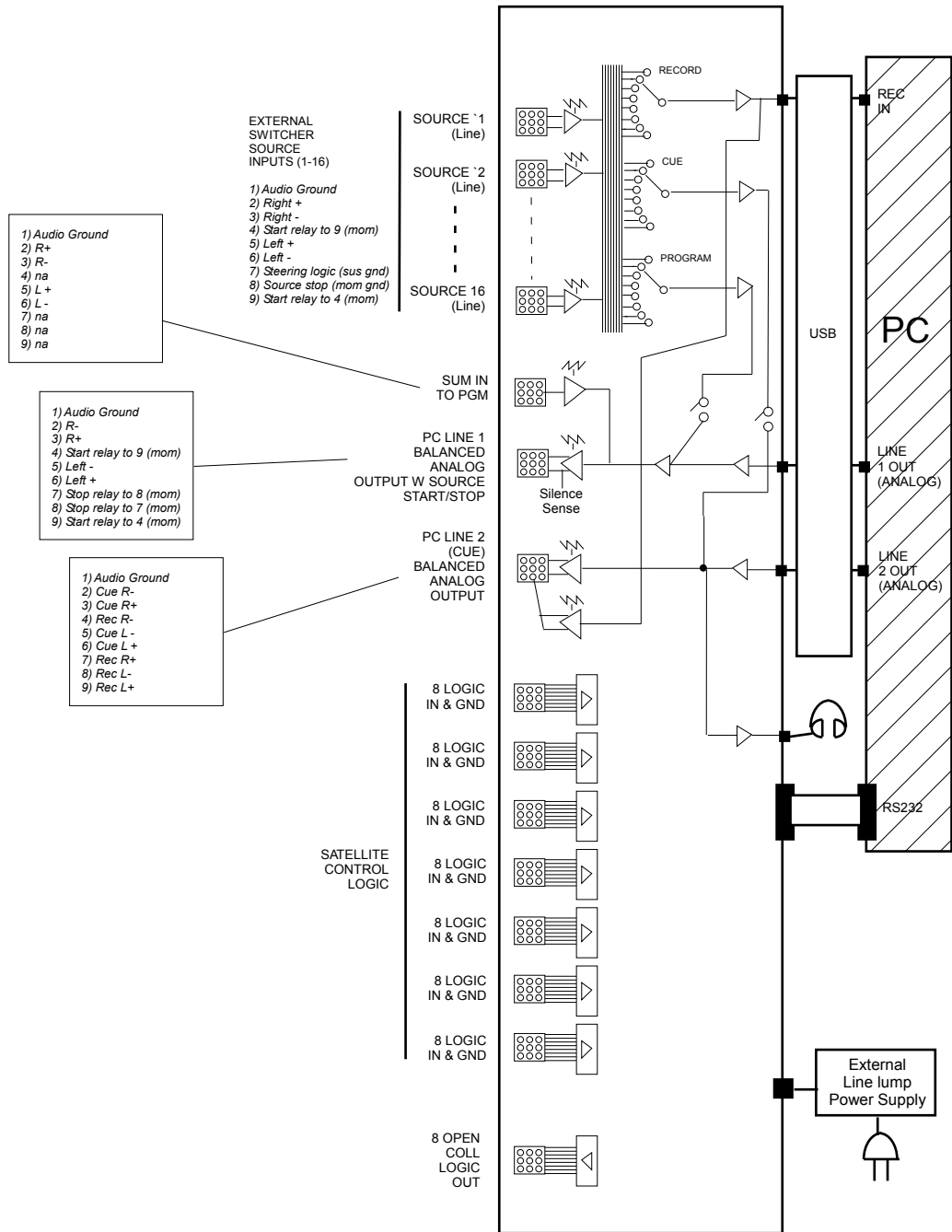
Features

* Operational modes:	(a) Xtreme-Air: (b) Xtreme-Studios: (c) X-sched:	when connected to Bridge hardware, Xtreme software enters this mode and has full functionality for use in Traffic rooms where only the Scheduling & Log screens are displayed (no Bridge required) min 1GHz, P4, CDROM, RS232 com port (or USB to RS232) & USB for Bridge hardware
* PC Hardware:	IBM compatible PC:	Pro version preferred (for advanced network support)
* Operating System:	Windows XP:	mouse, keyboard, or other Windows compatible control systems
* Control Hardware:	PC standard:	40GB is ~350 hours (5000 songs) MP2 at 256k, ~700 hours (10,000 songs) MP3 at 128k
* Audio Storage	hard disk:	Bridge has dual internal sound cards (dual play & single record). Connects to PC via USB cable.
* Play & Record hardware:	(a) Pgm, Cue, Rec: (b) Aux features:	Phoner editor & Voice tracking. One PC sound card required (internal to PC or external USB sound)
* Audio File support:	(a) formats: (b) mono/stereo: (c) sample rates: (d) # of files: (e) Library folder:	uncompressed WAV, MP2, MP3, any combination of formats any combination of mono or stereo files any combination, up to 256kHz max default size: 4000 audio files (larger library sizes software selectable) all audio files must be located in a single audio library directory mix of 3 audio streams to Program output plus Record & Cue
* Simultaneous audio:	yes,	
* On Air Features:		
* 6 player cart deck	(a) live mode: (b) automation:	manual loading of 500 event playlist for live operation automatic loading of 500 event playlist from schedule for live assist or fully automated operation
* Jingle button array	yes,	300 total (10 pages of 30 jingles) easily assignable for fast show prep
* Games	yes,	manual or automated games with 2nd play list. (Closures: start, stop, rain delay, return to game)
* Audio file search:	yes,	Cart #, Title, Artist, Time
* Cart Rotation:	yes,	supports start & kill dates (dash in 3,4,5,6 position in 8 char cart number. example CART-01)
* Satellite Automation:	(a) Hardware: (b) Sat channels: Logic:	Arrakis Bridge hardware required 16 supports up to 16 satellite channels with a combination of Full & Reduced logic control Selectable from (6) Full logic ... to ... (3) Full Logic plus (13) reduced logic Full logic: (1) Break, (1) ID, (4) Liners, (1) Start Record Reduced Logic: (1) Break, (1) Liner (or Start Record)
	Audio: (c) Jocks: (d) Logic window: (e) Liner mode: (f) Autofill breaks: (g) Time Adjust: (h) Break types:	16 stereo inputs, analog, balanced, +4dBu 20 max user defined for each hour in the Air Schedule random or sequential play (global setting) yes, system chooses from a special 'A' category to replace non-existing or out of date events yes, every event can be time adjusted (+)(-) 4% to achieve the exact break length timed or floating (with manual trigger or closure)
* Scheduling:		
* Length:	1 week, looping	<i>'New 6 week scheduler with full Traffic & Billing available this Summer'</i>
* Events per hour:	100 events	
* Import Format:	DL-III & DL-IV,	supported by all leading scheduling systems
* Traffic Import:	yes,	supported by all leading Traffic scheduling systems
* Music Import:	yes,	supported by all leading Music scheduling systems
* Internal Music Scheduling:	yes,	Categories: 25, any song may be assigned to up to 8 categories Format Clocks: 15 predefined standard clocks, plus custom format clocks Schedule rules: back to back and artist separation
* Overscheduling:	yes,	drop event removes overscheduled events
* Special Events:	yes,	timed, drop, satellite on-off, switcher source, RS232 commands (ie: receiver control)
* X-sched:	mode,	software selectable mode within Xtreme for a Traffic scheduling & reconciliation room
* Logging:	(a) Play Log: (b) Reports:	display all events or a filter of events by type all events, traffic only, or filtered by type
* Production:		
* Manual Recorder:	(a) applications: (b) format: (b) start: (c) autotrim:	short format production: news, spots, voice tracks, promos, etc. WAV, .MP2, .MP3, selected by Windows Audio Compression Manager (ACM) manual or timed record no
* Voice Track:	(a) format: (b) delete: (c) remote VTing:	.WAV only, global setup, uses PC sound card. Cart number starts with 'V'. auto-deleted after play, (cart number is autoassigned during recording) yes, uses industry standard services (such as 'Go to My PC' and 'Skype')
* Timed record:	(a) per hour: (b) trigger (c) schedule:	20 maximum, (format: .WAV, .MP2, .MP3, selected by Windows ACM) timed or closure (uses Bridge for input selection, sound card, and logic) 1 week, looping
* Phoner Editor	(a) description:	wave recorder, single block, phoner recorder-editor, uses PC sound card
* File data (overlap, dates)	(a) Library screen:	set audio overlap times while listening to the file. Enter other file data easily in the Library screen.
* X-edit (& X-edit-pro)	(a) editor:	separate software utility provided with Xtreme for recording, editing, & naming audio files
* Text Support:	(a) Note line: (b) Tagged text:	1 line event in the schedule variable length text file tagged to any audio event. Displays tag symbol in the play list.
* Audio File Data:	(a) fields: (b) storage: (c) ID3V1:	cart #, title, text, type, runtime, start date, kill date, time to voice, EOM, ... data saved in the filename and/or in embedded footer Xtreme reads ID3V1 tag data from CD rippers to facilitate renaming audio files
* Networking:	(a) schedule: (b) audio library:	supports network mapping, schedule from anywhere on the network supports network mapping, play from anywhere on the network
* RBDS:	yes,	requires extra RS232 com port on PC
* Time sync:	yes,	closure required to Bridge logic
* Console control:	yes,	play list start & stop, closure required to Bridge logic
* Help System:	(a) help line: (b) e-manual: (c) PDF manual: (d) printed manual:	on screen, context sensitive, move cursor over the object on screen, searchable, topic based supplied in text and PDF format for use by customer supplied with order.
* Data Backup:	yes,	automatic daily backup of main files (setup, schedule, etc., not audio files)
* Remote Factory control:	yes,	for support, requires broadband connection
* Support Times:	8am - 4:30pm MST,	Monday - Friday, except on holidays

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Block Diagram

... The block diagram illustrates the power and flexibility of the **Digilink 'BRIDGE'** hardware



All features and specifications subject to change without notice