DRM Advanced Radio
for ALL
9th September 2020

DRM Receivers
Standalone DRM only or DRM Multi-standard receivers
China
A Brief Introduction to Gospell’s DRM Products

by HC Liu
Portable DRM/AM/FM Radio

- Portable DRM radio operates on AC or battery
- DRM designed for AM band, ready for FM band
- AM/FM radio
- xHE-AAC audio
- Journaline® support
- Bluetooth stream music and handsfree calling
- USB/SD music player
- DRM scrolling text
- DRM emergency warning reception
- FM RDS
- 60 presets
- Auto scan

Journaline licensed by Fraunhofer IIS, check www.journaline.info for more information.
DRM Car Stereo

- Double DIN in-dash car stereo
- 2GB RAM + 32GB ROM
- Quad core
- DRM designed for AM band, ready for FM band
- Journaline® support
- DRM Slideshow support
- AM/FM radio
- Bluetooth music / Handsfree calling / Wi-Fi
- Navigation / backup camera
- USB/SD player
- Internal 4x25w amplifier
Germany

STAR WAVES

Johannes von Weyssenhoff
CEO
Receivers shown at BES in Delhi earlier this year

- Smart LCD Display
- AM/FM/DRM Receiver:
  - AM/FM reception with digital IF processing
  - DRM: Both AM and FM Bands
  - Including latest xHE-AAC Audio Codec
  - Journaline
  - All Receivers include Emergency Warning Functionality (EWF)
Is it really true? Do we finally have affordable DRM radios??
The most popular receiver at BES in India was STARWAVES‘ – “Tuktuk” Radio!

- Ready to use existing car radio & antenna
- DRM in the AM, SW and FM Band
- Also plays analogue AM, FM and SW
- High quality automotive tuner
- Journaline
- Emergency Warning Functionality
- It also works as a standalone version with integrated audio and amplifier available
- Frequency and station name can be scrolled on the LED display
- It comes with IR remote control

We made it ready for the market!
So please enjoy the video!
Video

STARWAVES
"TUKTUK Radio"
STARWAVES W293BT WORLD PREMIERE
Thank you for your attention!

Questions? Please don’t hesitate to contact me:

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India

Rajith Nair
CEO
DRM in AM and FM bands
Supports All Data Services
Superior RF Performance
Superior Timing Performance
Meets All Minimum Receiver Requirements
Granted Patents providing Competitiveness
Field Tested in cities and rural areas

SDR based
Cost Effective

Multiple Productizations
DRM SDR Receiver Solution for Automotive

- Licensed to Multiple Auto Customers
- Integrated with Multiple Auto grade Tuners
- Superior RF Performance
- Optimized for ARM
- Meets all MRR Requirements
- Ported to Multiple Operating Systems such as Linux, Android, Nucleus etc.

Inntot Technologies
info@inntot.com
http://www.Inntot.com
DRM Reference Radio Receiver Design for Consumer Market

- Supports DRM-AM DRM-FM
- Journaline, Slideshow, SPI
- AM, FM Reception
- MP3 Playback
- Telescopic and Internal AM Antenna
- External antenna support
- 3.5 inch TFT Color display - 320x240 Pixels
Video
INDIA

Communications Systems Inc. were present as usual at this year’s BES Conference and Exhibition with an updated version of their AVION desktop receiver.

Ready for mass market production based on substantial orders
Video
United Kingdom

DEVELOPING A CHEAP DRM RECEIVER SOLUTION

TIM WHITTAKER
SENIOR CONSULTANT
Report on Cambridge Consultants’
low-power, low-cost receiver design

Hardware:
• CML Microcircuits tuner ASIC – in development
• ARM / Tensilica baseband
• <100mW power consumption (excl. audio stages)

Software:
• Modem code complete and unit tested for Modes A-D
• Example user interface code built
• Operational with externally-received I,Q samples
Hardware demonstrated Dec. 2019

- Discrete component ‘tuned RF’ front-end
- ARM M7 processor – medium-wave band digitized directly
- Cambridge Consultants’ modem and simple UI
- Demonstrated with local Dream transmitter
Next steps, during 3-4Q2020, are

- Build hardware with CML tuner ASIC
  - Build tuner drivers, ACG function etc.
  - Integrate code
- Complete all software functions
  - Emergency Warning function
  - Mode E (VHF) operation
  - 18/20kHz bandwidth option
- Port to final microcontroller platform
- Supply evaluation units to potential licensees
South Korea

William Kim
Director

www.drm.org
RF2Digital – South Korea / Germany

- Developed Software Defined Radio (SDR)
- Works in all broadcast bands – SW, MW and FM
- RF2Digital has produced a Demo Board with a touchable 7-inch display
Video
DRM Advanced Radio for ALL

List of Videos from DRM Virtual IBC Event
Also available on DRM YouTube channel: youtube.drm.radio

https://www.youtube.com/watch?v=pwBY1h5CRYk
https://www.youtube.com/watch?v=58RfT33oFms
https://www.youtube.com/watch?v=mn-MHZFvzPw
https://www.youtube.com/watch?v=pwBY1h5CRYk
https://www.youtube.com/watch?v=mn-MHZFvzPw
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https://youtu.be/fj2KWIp51XY
https://youtu.be/9xlboT3gVW0