COMCON



ProAV Solutions & Test & Measurement

- Latest technology solutions in Audio, Video, Acoustics, Electronics, Broadcast, RF and IT
- Specialized business units for 'ProAV & Broadcast' and 'Test & Measurement' solutions
- More than 50 professionals, more than10000 SKUs
- Pan India Sales Network
- Registered Vendor to 20+ Fortune 500 companies

LEGACY OF
40+Years



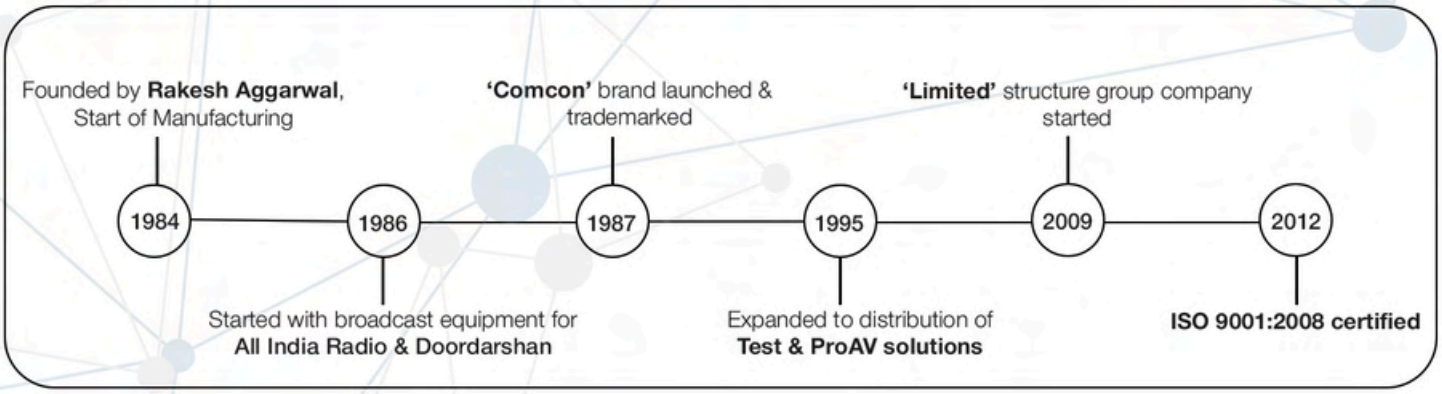
About Us

Driving Technological Excellence Across Industries

Comcon operates at the forefront of electronics & IT technologies, employed effectively towards solutions focussed on Audio & Video across 'ProAV & Broadcast' and 'Test & Measurement' application space.

With over four decades of industry experience, we specialize in requirement gathering, solution designing, supplying, commissioning, and supporting advanced systems and applications across a wide spectrum of industries. With our in-house development team (software, electronics and mechanical), we create innovative products, tools, and custom solutions that are differentiated and future ready.

History



OEM Partners

Test & Measurement

AP, GRAS, TELEDYNE LECROY Everywhereyoulook, frontline Debug Communications Faster, quantumdata, PROMAX, Leader, Koutline, VideoClarity, ECHO, PHABRIX, MURIDEO, GENELEC

ProAV & Broadcast

NEUTRIK, BELDEN, LAWO, SONIFEX, ENCO, SAMVAD TELEPROMPTER, Switchcraft, MultiDyne, BroaMan Broadcast Manufactur, OPTOCORE, orban, DEVA BROADCAST, PARTEX

Business Divisions

Test Solutions

- Electronics
- Audio
- Sound & Acoustic
- Noise
- Wireless & RF
- Protocol Analysis

ProAV & Broadcast

- Signal Management & Distribution
- Connectivity Solutions
- Fiber Optics
- Monitoring, Compliance and QC
- Mixing, Processing and Software Systems
- AV over IP

Human Workforce 50+	Years of Experience 40+	Global OEM Suppliers	Cumulative Revenue INR 5 Billion+	Clientele Served 3000+	Product SKUs Curently Served 5000+

Clientele

Test & Mesurement Solutions

Specialist in Test & Measurement solutions for Audio, Video, Sound, Acoustics & Noise. We understand customer needs and provide tailored solutions, including demo gear, training, maintenance contracts, and service support - making reliability a standard, not just a priority.

Products

Audio Analysers and Generators for Analog, SPDIF, AES, PDM, HDMI, TDM, I2S, BT, A2B, ASIO, Acoustic, Speech, Noise, and other audio formats and signals.

Protocol Analysers and Compliance Testers – HDMI, DP, BT, WiFi, Matter, Thread, MIPI, C-Phy, D-Phy, CSI, DSI, USB, SATA, SCSI, PCIe, etc.

Bluetooth (BT) Testing – Protocol Analysis, Audio Quality, Multiple Codecs, Perceptual Tests, RF Signal Tests, etc.

Portable & Handheld Test Equipment – Sound, Noise, HDMI, DP, SDI, Bluetooth (BT), Wifi, RF testing, ASI, etc.

RF Generators, Meters and Spectrum Analysers – AM, FM, DRM, HDRadio, DAB, CATV, Satellite TV, DTH, OTT, etc



Acoustic / Sound Measurement – HATS (Head & Torso Simulators), Ear and Mouth Simulators, Sound Calibrators, Microphones (low noise, infrasonic, ultrasonic), Sound Level Meters, etc.

Video Analysers and Generators – HDMI, DP, SDI, SDIoverIP, HDBaseT, DVBT2, ATSC, ASI, CVBS, Components, VGA, and DVI.

Picture Quality, QoS and QoE Analysers – Picture and Video Codecs quality testing

Turntables – Computer -controlled 360° heavy duty rotation

Special and Custom Cables, Adapters, and Converters

Reference Louspeakers – Flat Response Loudspeakers, Omnidirectional Sound Source

Services

With professional and experienced engineers and consultants on board, our team is best equipped to provide services with the highest standards.

- **Solution Consulting**: Dedicated application engineers at Comcon are well trained in the domain, technology, and product use cases.
- **Service & Calibration**: Dedicated service team providing repairs, maintenance, upgrades and calibration for all products and solutions provided by Comcon. Accredited NABL calibration is provided by partnering with a 3rd party lab. Pickup and Drop of equipment across India is arranged in safe Hard Cases.
- **Installation, Integration and Commissioning:** Comcon offers installation, commissioning and training for all products sold.
- **Maintenance Contracts**: We offer trouble free ownership of all assets sold by us, backed by annual contracts to ensure breakdown all faults are repaired before they impact project deliverable and deadlines.

Consumer Electronics

Loudspeakers & AV Equipment

- AV Receivers & Television Audio
- Loudspeaker & Smart Speaker Audio & BT
- Speaker Drivers Test Setup
- Headphone, Earphone, Headset & TWS Testing (Wired & BT)
- Microphones & Arrays
- Acoustic Noise Cancellation
- Echo Cancellation & Ambient Noise Suppression

Portable Devices

- Mobile, Tablet, Laptop, Smart Devices – Audio, Sound, HDMI, DP, BT, Wifi Testing

White Goods Noise Measurement



Electronics R&D

Chip & IP Testing

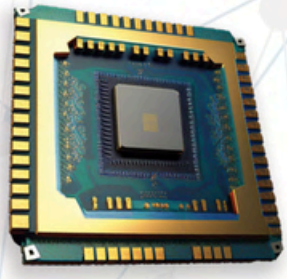
- Audio Testing: I2S, TDM, PCM, HDMI, PDM
- Video Testing: HDMI 2.1, DP 2.0, SDI, MIPI

Protocol Analysis

- Bluetooth Testing (Protocol, PHY, Audio, BLE)
- Digital Protocol Analysis (USB, PCIe, SATA, SCSI, Matter, Thread, WiFi, etc)

Video & Audio Quality Assessment

- Pure Analog Sine Wave Generation
- Encoder/Decoder Video Quality Benchmarking
- DRM, DAB & HD Radio RF and Audio



Automated Test Solutions (ATE/ATS)

- **Custom Automated Testing** for Audio, Sound & Video applications
- **Integration of Multiple Test Equipment** over protocols like GPIB, RS232, etc
- **User Interface Automation** for minimal human intervention & maximum data capture
- **Professional Rack Enclosures** (19" or custom designed) for organized hardware housing



Mobility / Automotive

In-Cabin Acoustics

- In-Cabin Acoustics and Sound Level
- Infotainment System & Amplifier Audio Quality
- Infotainment Speaker Testing & Benchmarking
- NVH - Brakes, Engine, Transmission, Tire, Road, Wind, Pass-by Noise
- Aeroacoustics – Wind Noise Testing

Railways & Metro

- Coach Noise, Track Noise, Telemetry

Transit Stations Environmental Noise Monitoring

MEMS Microphone & Speech Testing

Noise & Vibration Testing



Aerospace, Satellite & Defence

Communication & Intercom Systems

- Communication System & Headset Testing
- Intercom Junction Box & Station Box Testing

Acoustic & Noise Testing

- Aeroacoustics – Wind Noise Testing
- Safety Helmet Acoustic Performance Measurement
- Acoustic Direction Mapping & Imaging
- Telemetry

Education

- Research: Acoustic, Speech, Amplifier, ADC/DAC
- Audio Electronics, DSPs, FFTs, etc. in professional

Diffused Sound Field Setup

Anechoic Chamber Measurements

Speech Test Setup (Alexa / Google Voice / Siri, etc.)

Noise Measurement for Wind Tunel & other custom projects

Environmental Noise Monitoring

ProAV & Broadcast

Connectivity and signal processing for AV & IP networks at Radio, TV, DTH, OTT, Telecom, Events, Venues etc.





Signal Management & Distribution

Audio & Video Distribution / Routing
- Standalone 1RU Units & Modular Card-Based Solutions
- Audio Distribution Amplifiers, Headphone Distribution, Digital Distribution, Microphone Amplifiers
- SDI Distribution & Equalization

Dante Converters
- Converts Analog Line Level / Microphone / Digital AES3 (2, 4, 8, & 16 Channel Solutions)

AES72 Solutions
- Transport 4x Audio Channels over CAT6 Cable

Patching Systems and Cords
- Audio (Bantam TT, ¼"), Video (HD & 4K), Ethernet (Cat5e, Cat6a)

Network Switches & Clock Generators for Media over IP

Signal Converters & Adapters for Audio & Video

Cables & Connectors

Cable Reels
- Audio: Line Level (Analog, Digital, Dual Core, Multi-Channel Snake)
- Microphone: Foil Shield, Spiral Shield, Braid Shield, Star Quad
- Speaker: 1.5 sq mm, 2 sq mm, 2.5 sq mm, 3 sq mm
- Digital Video Coax: HD, 4K, RG6, RG11, RG59, In-Rack, In-Studio, In-Building.
- Video Snake: Audio & Video Combination Snake
- Fiber: OpticalCON, Expanded Beam HMA, Hybrid SMPTE
- Digital Video: HDMI AOC, DP, SMPTE Hybrid Camera Cables,OpticalCon Hybrid
- Data: CAT5e, CAT6, CAT6A (Flat, Shielded)
- RF Cables: Antennae, RG
- Oxygen-Free & Custom Cables Available

Connectors
- Audio: XLR, SpeakON, RCA, ¼" & 3.5mm Jacks (Mono/Stereo)
- Video: BNC, Mini BNC, Tiny BNC, Micro BNC, HDMI (Lockable), RCA, OpticalCon
- Fiber: OpticalCon (Standard, Duo, Hybrid, MED, Advanced, LITE), MTP (12/24/36/48), FiberFox HMA
- Data: Lockable USB Type C & Type B, Lockable Ethernet RJ45, D-Sub, Fiber Optic Data
- Power: PowerCon Lockable (Up to 32A), IEC Connectors

Cable Assemblies
- Audio & Video: XLR, BNC, HDMI, DP, AOC, SpeakON, Mono & Stereo Jacks, Banana, Berg Pins, SMA, Microdot, LEMO
- Fiber Optic: LC/SC/ST Patch Cords, OpticalCon, FiberFOX HMA, SMPTE Hybrid Camera Cable, Tactical Fiber Assemblies
- Power: IEC, PowerCon Assemblies
- Data: Patch Cords (CAT5e, CAT6, CAT6A), Etherflex CAT5e PoE IP65 Cables

Cable Management & Marking Solutions
- Markers, Ties, Crimp Terminals, Strippers, Sleeves & Other Cable Tools





Fiber Optic

Fiber Optic Assemblies & Solutions
- LC/SC/ST Patch Cords, OpticalCon, FiberFOX HMA, SMPTE Hybrid

Fiber Optic Transport Solutions
- Multiplex & Transport Audio, Video, Data, Intercom & Control signals optical fiber
- Applications: Stadiums, Theatres, Large Venues, Broadcast Infrastructure, Tour Sound
- Intelligent Optical Patching System

Monitoring & Processing

Audio & Video Signal Monitoring

- Rackmount Units for SDI, IP, Fiber, Dante, AES67, AES3, Analog
- Studio Monitoring Speakers & Amplifiers (Stands, Mounts, Accessories)
- Remote Monitoring & Telemetry for Radio Stations

PCIe Sound Cards, Radio Capture & USB Interfaces

- PCIe & USB Interfaces for Audio/FM
- Supports Analog & Digital Formats (2 to 64 Channels)

Audio Processing for Radio & TV

- Specialized Audio Processing Algorithms (Over 50 Years of Expertise)



Compliance & Quality Control

- **Audio & Video Compliance Loggers** for Radio & TV
- **QoS & QoE Monitoring & MOS Scores**
- **Spectrum Analysis** for TV & Radio – Handheld & Rack Mounted
- **Waveform, Sync Generators & Rasterizers**
- **Telemetry & RF Signal Measurement for Radio**
- **TS Recorder, Player & Analyzer**
- **IPTV Analyzers, WiFi Analyzers, ATSC & DVB-C/C2 /S/S2 Signal Analyzers**





Broadcast & Live Production

Sports Commentary Units

- Configurations for 1, 2, or 3 Commentators

Audio Mixing Consoles

- Consoles for Radio, TV, Live Events & Sports, Entertainment Venues
- High Channel Count, Supports AES67, DANTE, MADI
- Touchscreen-Friendly Design

Audio & Video Ingest, Playout & Archive

- Software Solutions for Digital Media Asset Management
- Touchscreen-Friendly Workflow, 24/7 Support

Telephone Interfaces

- POTS / ISDN / VoIP Telecom Interfaces
- High SNR & Signal Quality, Available in DANTE Configurations

Pre-Configured custom Program Input Racks

SDI over IP infrastructure – Multiviewer, Transcoding, Control

Silence Detection & Automatic Switching

Echo Cancellation for Classrooms & Boardrooms



Power & Infrastructure

Power Distribution – Made in India

- Changeover, Automatic Transfer Switch, Sequential Delayed Start & Basic Models
- SNMP, Web Browser, Complete Monitoring and remote control

"ON AIR' warning Lights

Projects Supplied


The Grand Ambani Wedding


Jio Convention Centre


Akshardham Temple Delhi



TV 18 Skymark Noida



Sony Tv Mumbai


Yashobhoomi Convention Centre



Netflix


Bharat Mandapam Convention Centre


Ram Mandir Ayodhya



PVR Cinemas

& Many more

Test & Measurement & ProAV Solutions



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