



SCHOOL FOR CAR AUDIO PROFESSIONALS

STRATEGIC PARTNER CONCEPT12



BE

THE CHANGE

Join the Revolution

THE AFTERMARKET CAR AUDIO INDUSTRY IN INDIA

*Currently estimated at INR 2500 Crores (\$336.1 Mn),
the Aftermarket Car Audio Industry in India
is just starting to take off.*

2500+ Cr
TODAY *

*The Indian Aftermarket Car Audio Industry
operates inefficiently, thus leading to
very low customer satisfaction & retention.*

99%
UNORGANIZED

*By the end of the Year 2030, the aftermarket
car audio industry will be close to 4000 Crores.
You know you want to cash in.*

8.7%
GROWTH YoY

WHO WE ARE

*SCAP is a one of a kind, possibly the first in Asia,
Dedicated School for Car Audio Professionals.*

*We are not “JUST” a tuning school.
We envision a better holistic in car audio environment for the world.*

WHY CHOOSE SCAP

Headed by Mr. Karthik Raj K, internationally acclaimed Head Judge for EMMA Global and backed by Concept 12V as its strategic partner, SCAP empowers installers to lead the aftermarket car audio revolution, deliver unmatched customer satisfaction, and grow their businesses with confidence. The programs combine strong theoretical foundations with hands-on training, from basics to competition level builds & equips participants with professional-grade testing and tuning tools. Graduates gain lifetime access to a support system, enabling them to handle modern vehicles with precision, while alumni benefit from exclusive sessions with international experts & industry leaders, ensuring continuous growth & exposure to global car audio standards.

THE CLEAN SLATE PROTOCOL

Scattered incorrect information is everywhere and easy to believe everything we see or hear.

However, when we use this information in practical everyday scenarios, the results are less than optimal. We start by unlearning and introduce a clean slate. Hereon, we build clear pathways based on vital scientific theory, factually correct information, real life examples and hands on practice thus ensuring a paradigm shift in understanding how car audio actually works.



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WHAT YOU LEARN

CURRICULUM SNAPSHOT

MODULE 1

HARNESS

UNDERSTANDING ELECTRONICS THAT DRIVE CAR AUDIO



*Great Car Audio is only as strong as the system that drives it. **HARNESS** dives into the fundamentals of automotive electricals and electronics; from wiring and circuitry to amplification and signal flow. This module gives professionals the technical backbone to understand how energy moves through a car, how a vehicle's electrical system is wired & fuels every component of an audio setup.*

BASICS OF ELECTRICAL PRINCIPLES,
VOLTAGE,
CURRENT & RESISTANCE,
OHM'S LAW, KIRCHOFF'S LAW,
AC-DC CURRENT, AC-DC APPLICATION IN AUTOMOBILE,
CONDUCTORS GOOD & BAD,
RUN THROUGH OF ELECTRONIC COMPONENTS,
FUSES, WIRES, SWITCHES, RELAYS, CAPACITORS,
RESISTORS, POTENTIOMETERS, INDUCTORS,
DIODES, TRANSISTORS, LED, ICS, MICROPROCESSORS,
BATTERIES AS VOLTAGE SOURCE, BATTERIES AND ITS TYPES,
ALTERNATOR AS CHARGING SYSTEM,
AUTOMOTIVE ELECTRICAL SYSTEM,
DEMAND & SUPPLY



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MODULE 2

DISCOVER

UNDERSTANDING HOW WE PERCEIVE SOUND



Before you can tune or install, you need to understand how sound is experienced by the human ear.

DISCOVER introduces the science of acoustics & psychoacoustics; how frequencies, tones and dynamics are perceived. This module builds the foundation for recognizing sound quality, balance & clarity, enabling professionals to listen with intent & precision.

THEORY OF SOUND, ELEMENTS OF SOUND,
HARMONICS & OCTAVES, RESONANCE,
HUMAN AUDITORY SYSTEM, FLETCHER & MUNSON CURVE,
TRAINING THE EARS,
EVOLUTION OF CAR AUDIO,
INTRODUCTION TO CAR AUDIO,
SOURCE UNITS, SPEAKERS & ITS TYPES,
ANATOMY OF A LOUD SPEAKER, AMPLIFIER AND ITS TYPES,
TYPES OF AUDIO SIGNAL,
INTRODUCTION TO DSP, ACTIVE VS PASSIVE,
DIVIDE & CONQUER TECHNIQUE,
HOW SOUND IS PUT INTO A MEDIUM,
FACTORS THAT INFLUENCE AUDIO CONTENT,
INTRODUCTION TO HI- RES, SIGNAL TO NOISE RATIO,
ENCLOSURES AND ITS TYPES,
TS PARAMETERS AND ITS INTERPRETATION,
SERIES & PARALLEL

MODULE 3

MASTER

MASTERING THE ART OF CAR AUDIO



*The true art of car audio lies in bringing hearing and power together. **MASTER** is where theory meets practice; conceptualizing, designing, building & tuning complete car audio systems for real world performance. This module teaches professionals how to integrate acoustics with electronics to create immersive car audio experiences that transform every drive for every unique customer.*

DIFFERENTLY.

DESIGNING A CAR AUDIO SYSTEM,
FIGHTING NOISE, SOUND PROOFING CONCEPT,
PHASE VS POLARITY,
IDEAL SPEAKER PLACEMENT, OEM INTEGRATION,
INTRODUCTION TO DMM,
ELECTRICAL MEASUREMENT TECHNIQUES,
BATTERY & CHARGING SYSTEM TESTING,
FINDING VOLTAGE DROPS,
FOOLPROOF WIRING METHODS,
TROUBLESHOOTING & FAULT FINDING,
DO'S AND DON'T'S,
HANDTOOLS MUST HAVES,
TUNING & CALIBRATION PROCESS,
INTRODUCTION TO ELECTROACOUSTICAL MEASUREMENTS



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