

VIDEO REMOTE TRUCKS - DESIGNING YOUR OWN

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This section will explore the whys and hows of designing and building a video remote truck for local production. It will cover the building process from production needs to final installation, along with interior and exterior construction, the bid process, personnel needs, power needs and meeting the franchise requirements.

OUTLINE

I. Designing Your Own Truck

A. Advantages

1. Personalized
2. Control
3. Cost

B. Disadvantages

1. Time Consuming
2. Constant Adjustments
3. Follow up

II. Truck Use (Plus Franchise Requirement)

- A. ENG
- B. EFP

1. Sports
2. Music
3. Live productions

III. Type of Vehicle

- A. Van
- B. Box Van
- C. Step Van
- D. Trailer

IV. Restrictions

A. Vehicle

1. Interior Room
2. Weight limitations

B. Available Budget

V. Power

A. One or two systems

1. Isolation of equipment (from air conditioning)
2. Gas consumption (generators)
3. One or two gas tanks
4. Weight of generators
5. Room needed for generators

B. Monitoring

1. Meters
2. Protection circuits (from equipment)
3. Regulator and isolation (noise in monitors)

C. Distribution

1. Number and types of circuits
2. Shore power
3. Shore power selection (auto switcher)
4. 12v system (work lights)

VI. Equipment Lists

- A. Figure out needs
- B. Costs
- C. Compatibility
- D. Equipment bid process

VII. Internal Environment

- A. Amount of air conditioning needed
- B. Heating?
- C. Isolation (Sound and temperature)
- D. Interior finish (carpeting)

VIII. Layouts

- A. Audio location (seperation?)
- B. Generator location(s)
- C. Rack space needed
- D. Location of major equipment
- E. Outlet locations (everywhere!)
- F. Guttering locations
- G. Access ports

IX. Construction Bids

A. Go over in detail with them

1. In person

B. Get their ideas

X. Construction (personally supervised)

XI. Installation

A. Wiring

1. Full flow charts

2. Flexibility (patch bays,
routing switchers)

B. Equipment timing

XII. Maintenance

A. Engineer needs to know truck

1. It helps if it is designer

B. Back-up supplies