

Office, build-in

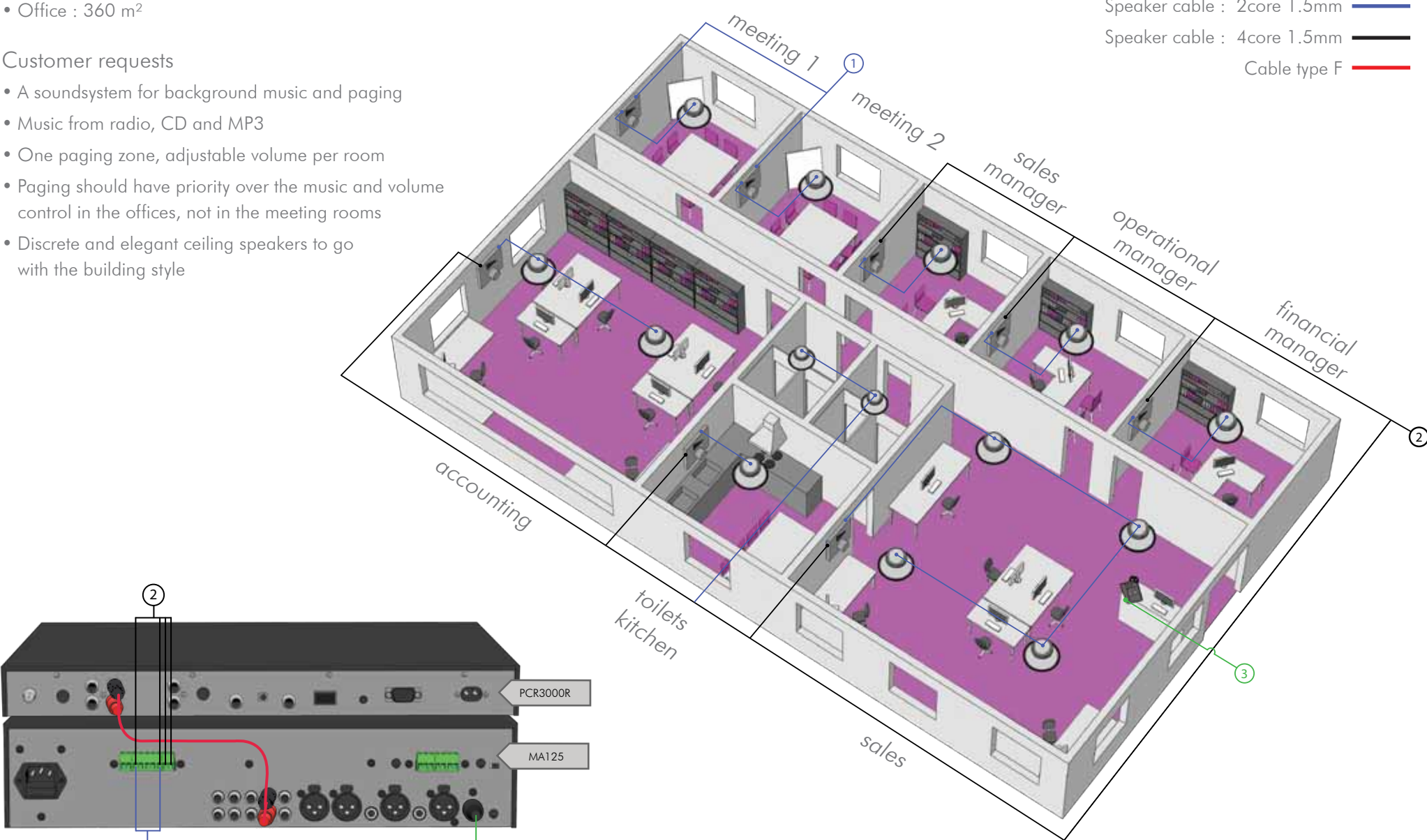
Area : 200 m² - 480 m²

Situation

- Office : 360 m²

Customer requests

- A soundsystem for background music and paging
- Music from radio, CD and MP3
- One paging zone, adjustable volume per room
- Paging should have priority over the music and volume control in the offices, not in the meeting rooms
- Discrete and elegant ceiling speakers to go with the building style



SPEAKER CHOICE
STEP ONE

- CM4T : 4.2" ceiling speaker
- CM6E : 6.5" ceiling speaker

Zone	Surface in m²	Speakers	Speaker power setting	Colour
financial manager	15-30m²	1 x CM6E + E-VOL40	6 Watts	☐ ☐ ☒
operational manager	15-30m²	1 x CM6E + E-VOL40	6 Watts	☐ ☐ ☒
sales manager	15-30m²	1 x CM6E + E-VOL40	6 Watts	☐ ☐ ☒
meeting 2	15-30m²	1 x CM6E + E-VOL40	6 Watts	☐ ☐ ☒
meeting 1	15-30m²	1 x CM6E + E-VOL40	6 Watts	☐ ☐ ☒
sales	60-120m²	4 x CM6E + E-VOL40	6 Watts	☐ ☐ ☒
toilets	20-40m²	2 x CM4T	3 Watts	☐ ☐ ☒
kitchen	15-30m²	1 x CM6E + E-VOL40	6 Watts	☐ ☐ ☒
accounting	30-60m²	2 x CM6E + E-VOL40	6 Watts	☐ ☐ ☒

Is the project you are working on bigger than the offices in this example?
Check the other case studies in the corporate section of this book, or contact your APart dealer.
He will help you to work out a project that exactly fits your clients requirements.

ELECTRONICS CHOICE
STEP TWO

- PCR3000R : DAB - FM tuner & CD-audio/MP3 via USB-key or SD slot
- MA125 : 100 Volts mixing amplifier with 4 mic. inputs
- MICPAT-D : paging microphone
- E-VOL40 : 100 Volts volume controller

Max. total power consumption of this installation : 250 Watts



Office , Reception , Sun centre , Waiting room
Bank , Tanning studio , ...



Classroom, on-wall

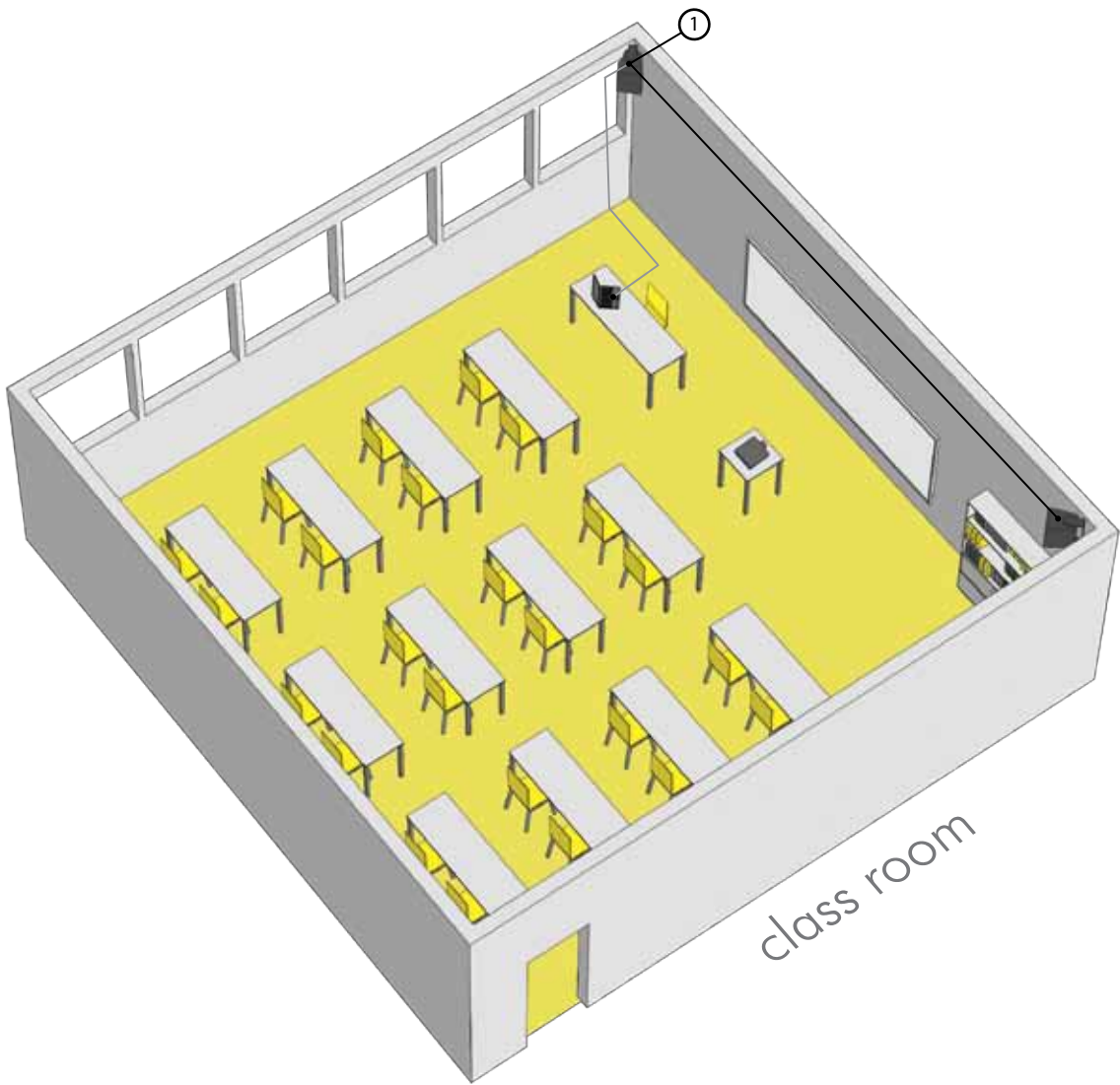
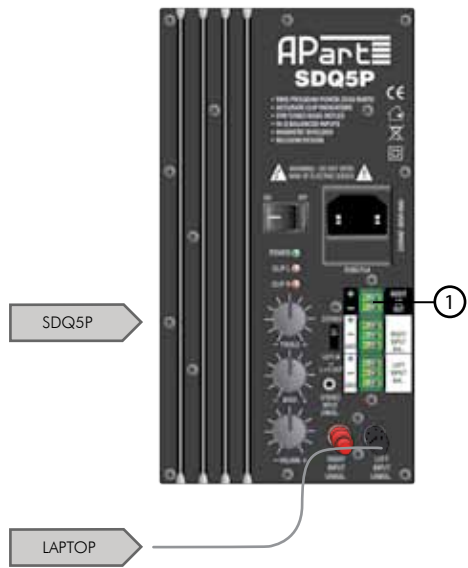
Area : 80m² - 110m²

Situation

- Classroom : 100m²

Customer requests

- Sound from laptop during presentations
- Easy to operate by non technical staff
- Reliable and value for money



SDQ5P speaker



Speaker cable : 2core 1.5mm



RCA to laptop (obtain this cable in your local computer shop)



SPEAKER CHOICE
STEP ONE



HIFI PROJECT

highend audio & video

- SDQ5P : 5.25" active & passive loudspeaker set

Zone	Surface in m²	Speakers	Colour
classroom	80-120m²	1 x SDQ5P (set contains master & slave speaker)	○ ●

Is the project you are working on bigger than the classroom in this example?
Check the other case studies in the education & worship section of this book, or contact your APart dealer.
He will help you to work out a project that exactly fits your clients requirements.

Max. total power consumption of this installation : 60 Watts



Class room , ...

Education & Worship

Bar, on-wall

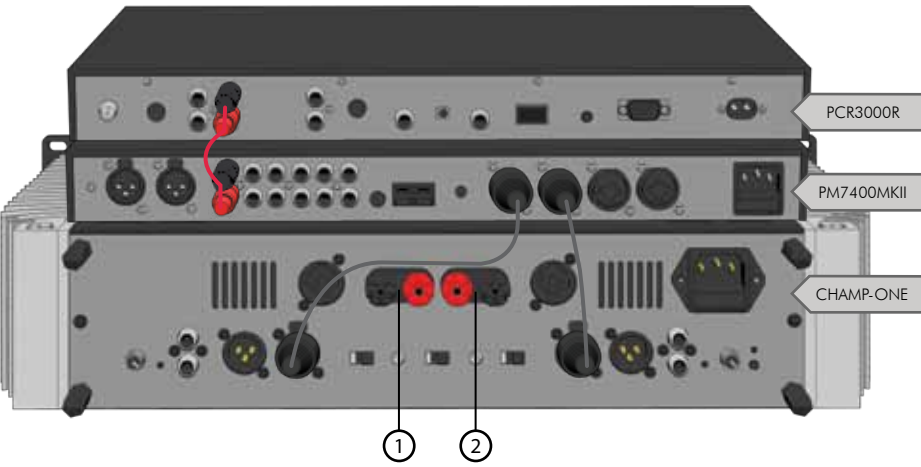
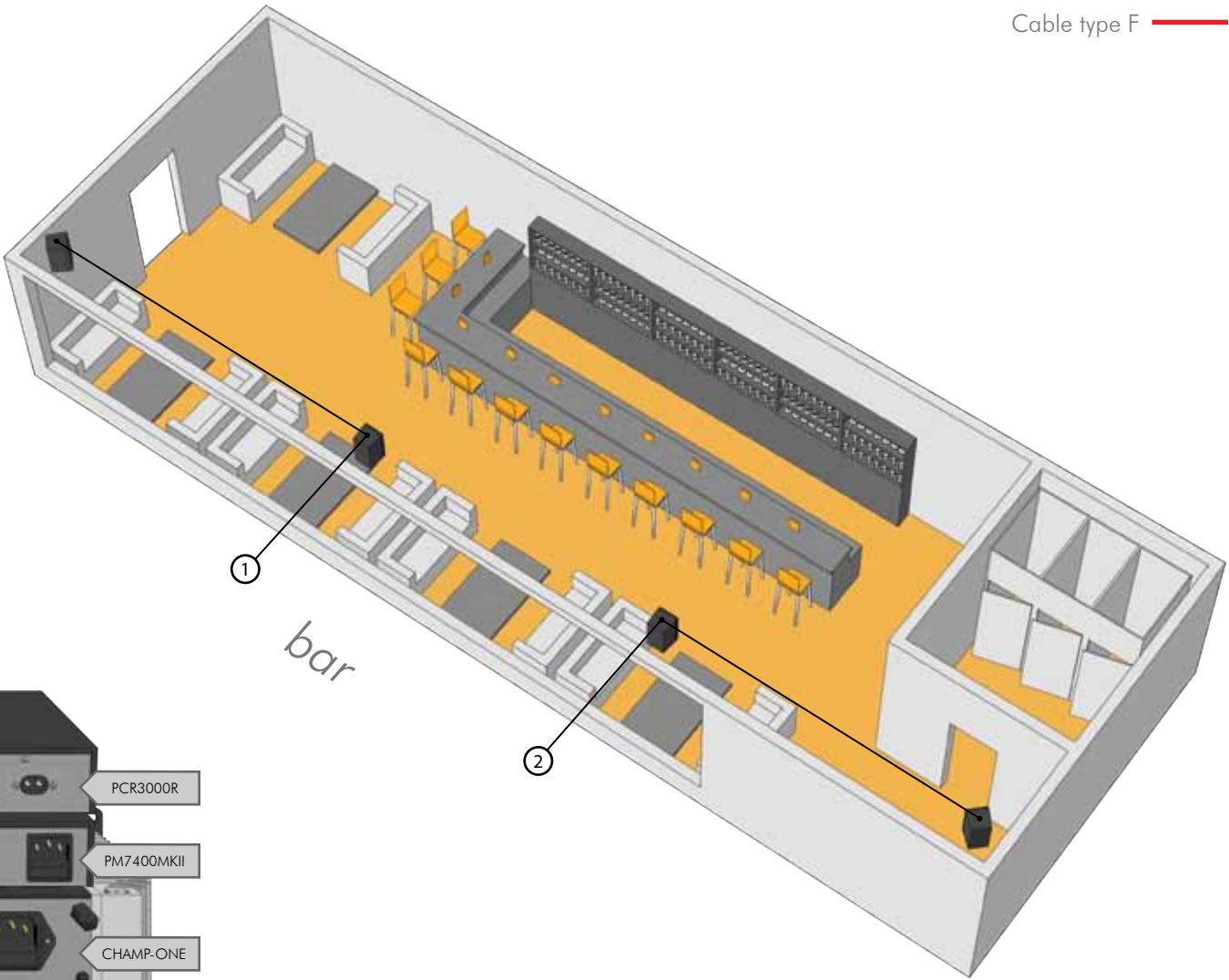
Area : 100m² - 200m²

Situation

- Bar : 140m²

Customer requests

- Quality & Dynamic music determines the image of the bar
- Weekdays mostly quiet, but weekends are party nights.
- Music from radio, CD or MP3 - from background music to dance level
- Design cabinet speakers that fit the interior of the bar
- Possibility to connect 2 microphones



MASK8F speaker 

Speaker cable : 2core 1.5mm 

Cable type D 

Cable type F 

bar

SPEAKER CHOICE
STEP ONE

- MASK8F : 8" cabinet speaker

Zone	Surface in m²	Speakers	Colour
bar	100-200 m²	4 x MASK8F	○ ●

Is the project you are working on bigger than the bar in this example?
Check the other case studies in the foodservice & hospitality section of this book, or contact your APart dealer. He will help you to work out a project that exactly fits your clients requirements.

ELECTRONICS CHOICE
STEP TWO

- PCR3000R : DAB - FM tuner & CD-audio/MP3 via USB-key or SD slot
- PM7400MKII : 2-zone pre-amplifier
- CHAMP-ONE : stereo power amplifier

Max. total power consumption of this installation : 1060 Watts

 **HIFI PROJECT**
highend audio & video

Shopping List

-  4 x MASK8F
-  1 x PCR3000R
-  1 x PM7400MKII
-  1 x CHAMP-ONE
-  2 x Cable type D
-  1 x Cable type F
-  ...m x Speaker cable

Bar , Café (high music level) , Pub , Tavern , Lounge to dance , ...



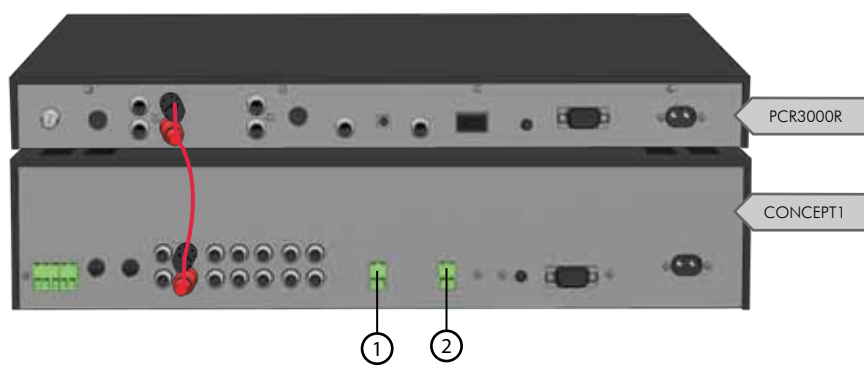
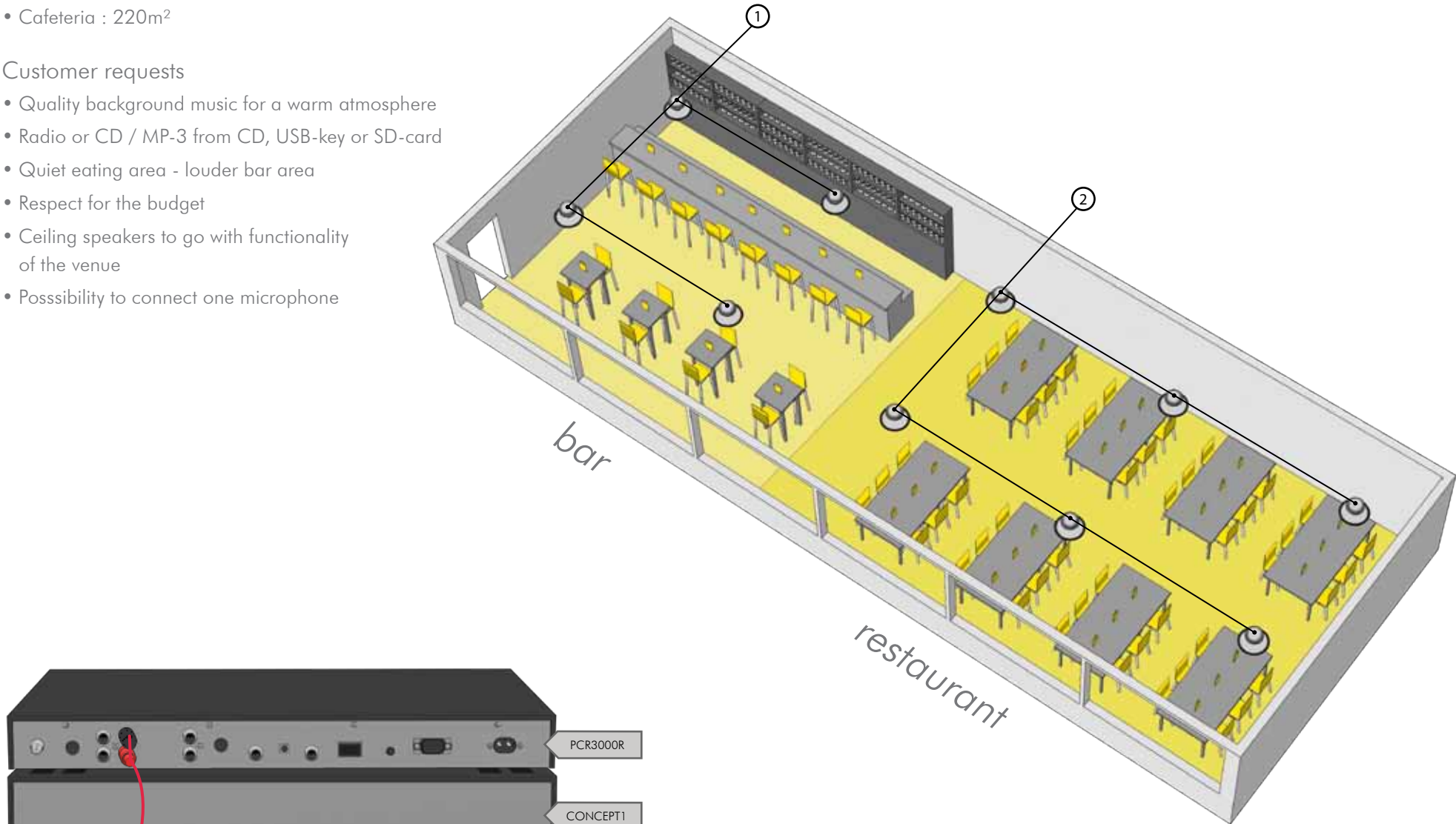
Cafeteria, build-in

Area : 200m² - 300m²

Situation

- Cafeteria : 220m²

- Customer requests
- Quality background music for a warm atmosphere
 - Radio or CD / MP-3 from CD, USB-key or SD-card
 - Quiet eating area - louder bar area
 - Respect for the budget
 - Ceiling speakers to go with functionality of the venue
 - Possibility to connect one microphone



SPEAKER CHOICE
STEP ONE

- CM20T : 6.5" ceiling speaker

Zone	Surface in m²	Speakers	Speaker power setting	Colour
bar	80-120 m²	4 x CM20T	10 Watts	☐ ☐ ☒
restaurant	120-180m²	6 x CM20T	10 Watts	☐ ☐ ☒

Is the project you are working on bigger than the cafeteria in this example?
Check the other case studies in the foodservice & hospitality section of this book, or contact your APart dealer.
He will help you to work out a project that exactly fits your clients requirements.

ELECTRONICS CHOICE
STEP TWO

- PCR3000R : DAB - FM tuner & CD-audio/MP3 via USB-key or SD slot
- CONCEPT1T : 100 Volt integrated mixing amplifier

CONCEPT1T need's to be configured in 2-zone mode
via menu : expert settings. This gives you independent volume control
for bar and restaurant area.

Max. total power consumption of this installation : 220 Watts



Billiard hall , Café (background music) , Ice cream parlour ,
Canteen , Fast food restaurant , Tavern , Pub , ...

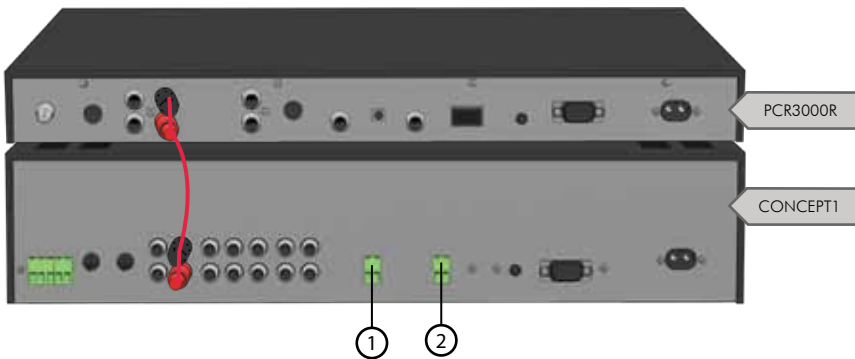
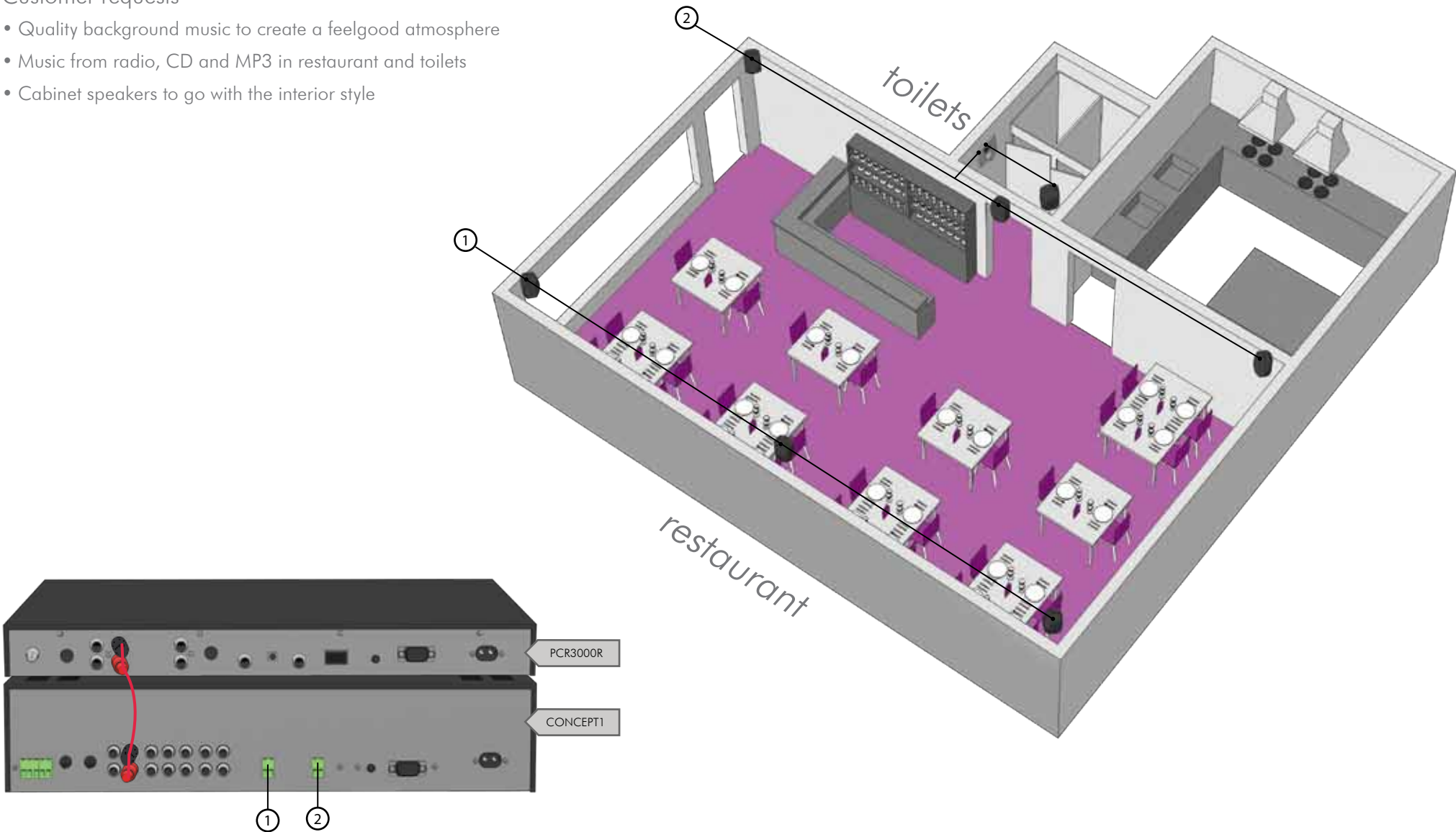
Restaurant, on-wall

Area : 120m² - 220m²

Situation

- Restaurant, toilets : 130m²

- Customer requests
- Quality background music to create a feelgood atmosphere
 - Music from radio, CD and MP3 in restaurant and toilets
 - Cabinet speakers to go with the interior style



SPEAKER CHOICE
STEP ONE

- MASK4T : 4.2" cabinet speaker

Zone	Surface in m²	Speakers	Colour
restaurant	110-220m²	6 x MASK4T	○ ● ●
toilets	10-20m²	1 x MASK4T	○ ● ●

Use the 16Ω setting of the MASK4T cabinet speakers for this setup.

Is the project you are working on bigger than the restaurant in this example?
Check the other case studies in the foodservice & hospitality section of this book, or contact your APart dealer.
He will help you to work out a project that exactly fits your clients requirements.

ELECTRONICS CHOICE
STEP TWO

- PCR3000R : DAB - FM tuner & CD-audio/MP3 via USB-key or SD slot
- CONCEPT1 : integrated stereo mixing amplifier
- E-VOLST : stereo volume controller

Max. total power consumption of this installation : 220 Watts

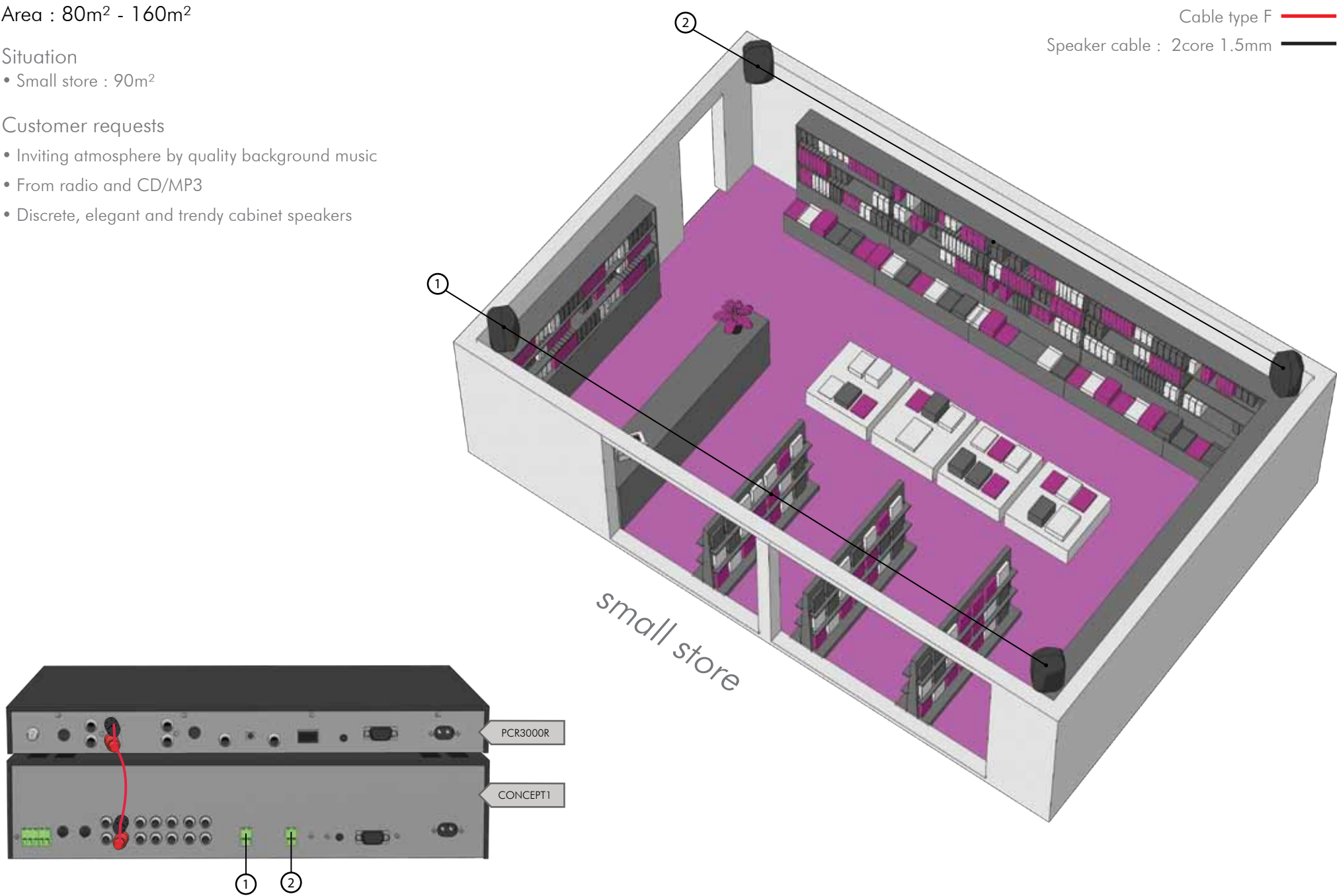


Shop, small - background music, on-wall

Area : 80m² - 160m²

Situation
• Small store : 90m²

- Customer requests
- Inviting atmosphere by quality background music
 - From radio and CD/MP3
 - Discrete, elegant and trendy cabinet speakers



SPEAKER CHOICE
STEP ONE

- MASK4 : 4.2" cabinet speaker

Zone	Surface in m ²	Speakers	Colour
small store	80-160m ²	4 x MASK4	☐ ☐ ☒

Is the project you are working on bigger than the store in this example?
Check the other case studies in the retail section of this book, or contact your APart dealer.
He will help you to work out a project that exactly fits your clients requirements.

ELECTRONICS CHOICE
STEP TWO

- PCR3000R : DAB - FM tuner & CD-audio/MP3 via USB-key or SD slot
- CONCEPT1 : integrated stereo mixing amplifier

Max. total power consumption of this installation : 220 Watts



Newspaper shop , Drugstore , Snack bar , Take-away restaurant , Tobacco shop , ...



Shop, midsized - loud music, build-in

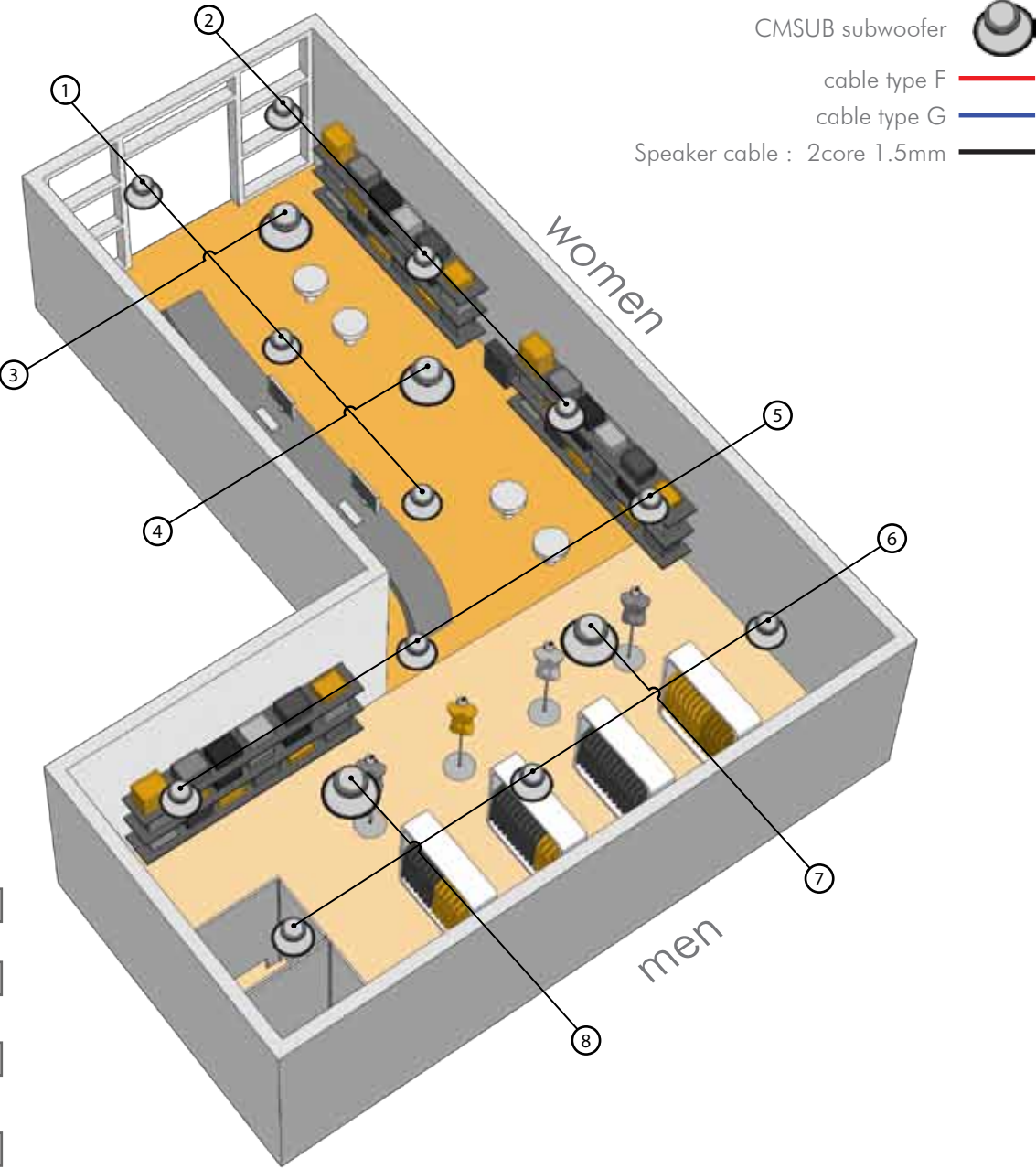
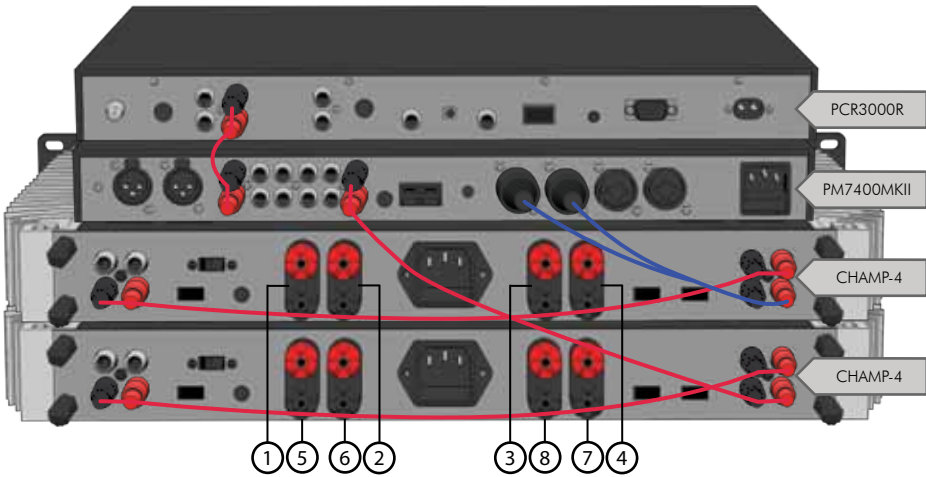
Area : 110m² - 220m²

Situation

- Fashion store : 140m²
- Two-zones : women / men

Customer requests

- Hip and attractive atmosphere
- Different volume control in 2 zones
- Men and women’s zone with independent volume control
- Music (CD/MP3) should draw people in the store and in relation with the style and image of the brand
- Elegant and stylish ceiling speakers to match the design



SPEAKER CHOICE
STEP ONE

- CM4T : 4” ceiling speaker
- CMSUB : 8” ceiling subwoofer

Zone	Surface in m²	Speakers	Colour
women	60-120m²	6 x CM4T + 2 x CMSUB	○
men	50-100m²	6 x CM4T + 2 x CMSUB	○

Use the 16Ω connection of the CM4T ceiling speakers for this setup.

Is the project you are working on bigger than the store in this example?
Check the other case studies in the retail section of this book, or contact your APart dealer.
He will help you to work out a project that exactly fits your clients requirements.

ELECTRONICS CHOICE
STEP TWO

- PCR3000R : FM Tuner & CD-Audio/MP3 via USB-key
- PM7400MKII : 2-zone pre-amplifier
- CHAMP-4 : 4 channel power amplifier

This project uses the x-over feature of the CHAMP-4 amplifier, consult the amplifier manual to enable this TOP & SUB mode.

Max. total power consumption of this installation : 860 Watts



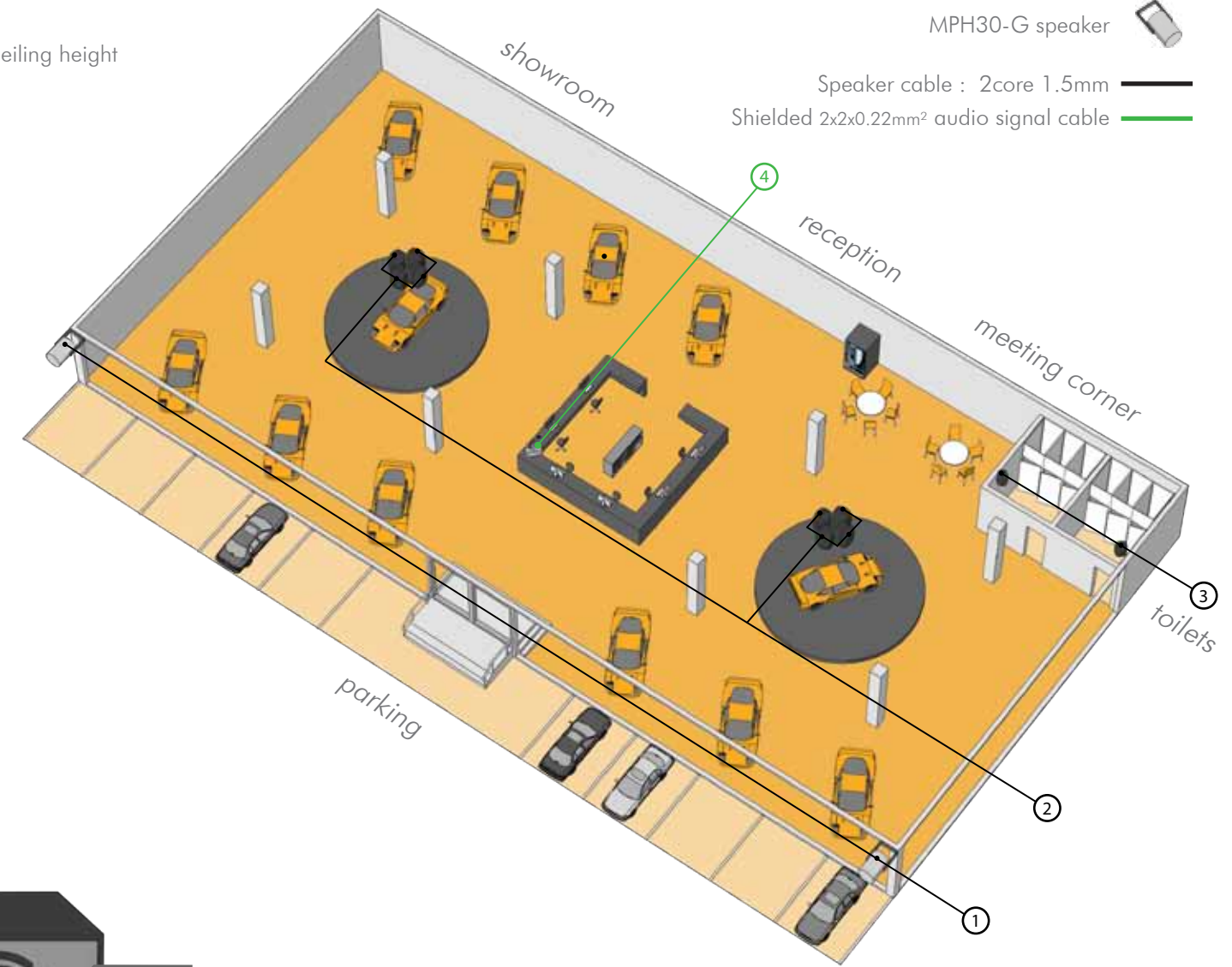
Fashion store , Games arcade , Midsized shop (loud music) , ...

Showroom, on-wall

Area : 400m² - 900m²

- Situation
- Car dealer showroom & parking area : 700m² / 5m ceiling height

- Customer requests
- Quality background music that makes people feel welcome and at ease
 - Music from radio/CD and MP3
 - Design cabinet speakers for open ceiling room
 - Background music and paging for showroom, toilets and meeting corner
 - Selective paging for outside parking area
 - Independent volume control for showroom area, toilets and parking



- MASK4T speaker
- MASK6T speaker
- MPH30-G speaker

Speaker cable : 2core 1.5mm
Shielded 2x2x0.22mm² audio signal cable

SPEAKER CHOICE
STEP ONE

- MASK4T : 4,2" cabinet speaker
- MASK6T : 6.5" cabinet speaker
- MASKW : cluster mount kit
- MPH30-G : horn loaded sound projector

Zone	Surface in m²	Speakers	Speaker power setting	Colour
showroom	340-800 m²	8 x MASK6T	15 Watts	☐ ☒
toilets	20-40 m²	2 x MASK4T	5 Watts	☐ ☐ ☒
parking	120-200 m²	2 x MPH30-G	30 Watts	☐

Is the project you are working on bigger than the showroom in this example?
Check the other case studies in the corporate section of this book, or contact your APart dealer.
He will help you to work out a project that exactly fits your clients requirements.

ELECTRONICS CHOICE
STEP TWO

- MA246MR : 100 Volts mixing amplifier with radio & CD/MP3 player
- MICPAT-2 : selective 2-zone paging microphone

Max. total power consumption of this installation : 400 Watts



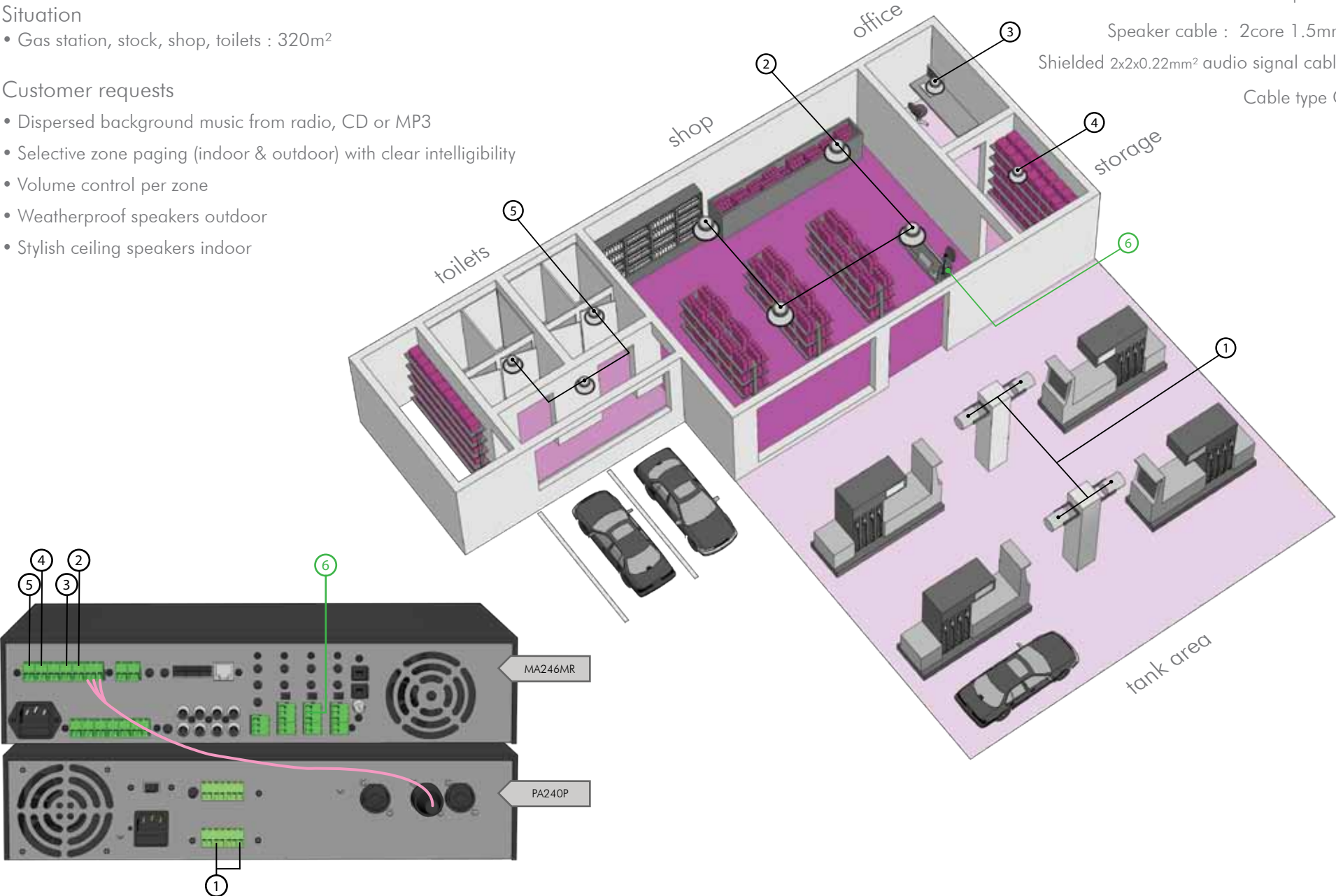
Car dealer , Showroom , Canteen , ...

Gas station, build-in

Area : 250m² - 550m²

- Situation
- Gas station, stock, shop, toilets : 320m²

- Customer requests
- Dispersed background music from radio, CD or MP3
 - Selective zone paging (indoor & outdoor) with clear intelligibility
 - Volume control per zone
 - Weatherproof speakers outdoor
 - Stylish ceiling speakers indoor



SPEAKER CHOICE
STEP ONE

- CM4T : 4" ceiling speaker
- CM6E : 6.5" ceiling speaker
- MPH30-G : horn loaded sound projector

Zone	Surface in m²	Speakers	Speaker power setting	Colour
tank area	150-350m²	4 x MPH30-G	20 Watts	☐
shop	60-120m²	4 x CM6E	6 Watts	☐ ☐ ☐
office	10-20m²	1 x CM4T	6 Watts	☐ ☐ ☐
toilets	30-60m²	3 x CM4T	6 Watts	☐ ☐ ☐
storage	10-20m²	1 x CM4T	6 Watts	☐ ☐ ☐

Is the project you are working on bigger than the gas station in this example?
Check the other case studies in the retail section of this book, or contact your APart dealer.
He will help you to work out a project that exactly fits your clients requirements.

ELECTRONICS CHOICE
STEP TWO

- MA246MR : 100 Volts mixing amplifier with radio & CD/MP3 player
- MICPAT-2 : selective 2-zone paging microphone
- PA240P : 100 Volts amplifier

Max. total power consumption of this installation : 700 Watts



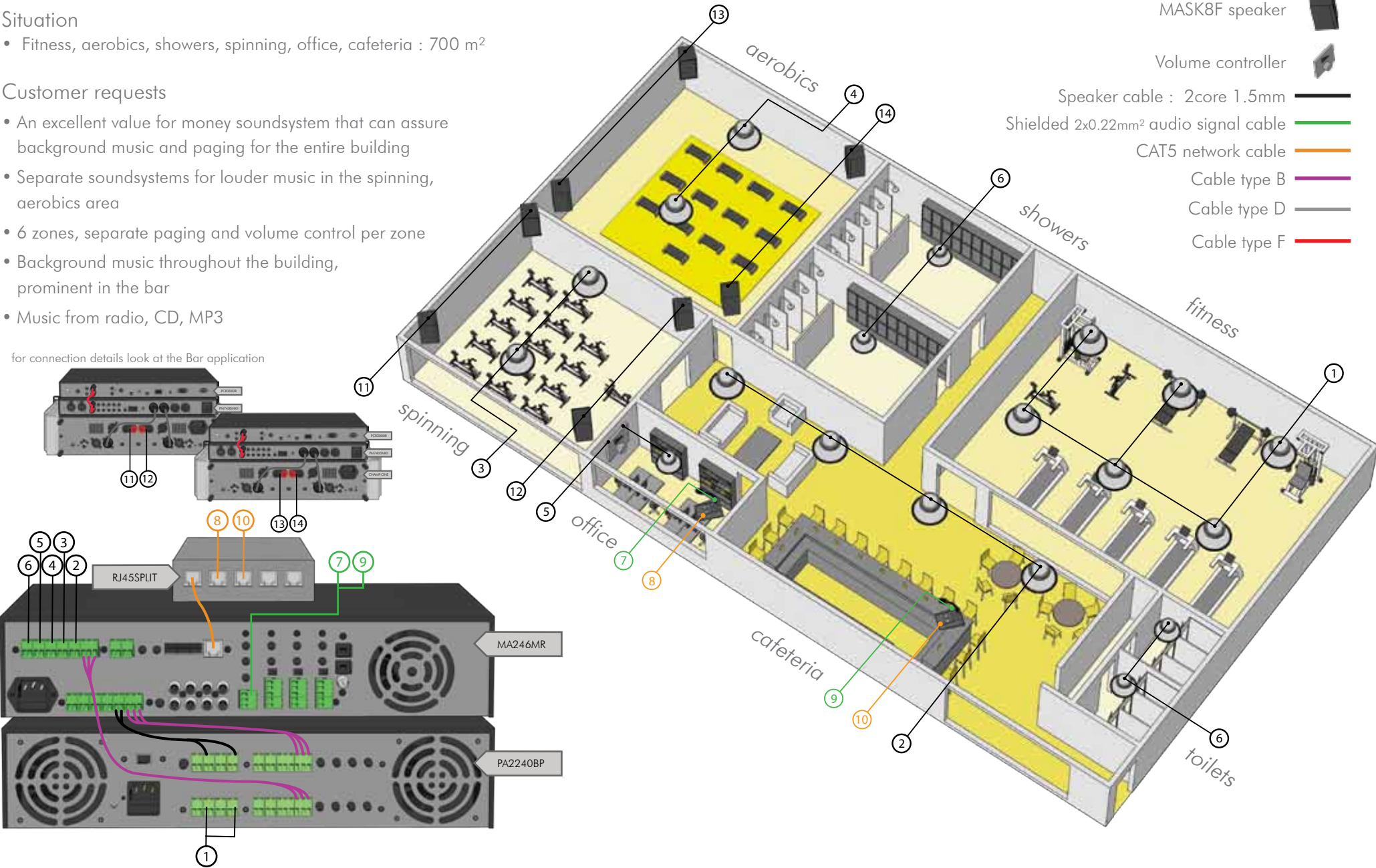
Fitness centre, build-in

Area : 450m² - 750m²

- Situation
- Fitness, aerobics, showers, spinning, office, cafeteria : 700 m²

- Customer requests
- An excellent value for money soundsystem that can assure background music and paging for the entire building
 - Separate soundsystems for louder music in the spinning, aerobics area
 - 6 zones, separate paging and volume control per zone
 - Background music throughout the building, prominent in the bar
 - Music from radio, CD, MP3

for connection details look at the Bar application



SPEAKER CHOICE
STEP ONE

- CM4T : 4.2" ceiling speaker
- CMX20T : 8" ceiling speaker
- MASK8F : 8" cabinet speaker

Zone	Surface in m²	Speakers	Speaker power setting	Colour
fitness	150-200m²	6 x CMX20T	20 Watts	○ ● ●
cafeteria	100-165m²	4 x CMX20T	20 Watts	○ ● ●
spinning	50-100m²	2 x CMX20T + 4 x MASK8F	20 Watts	○ ● ● / ○ ● ●
aerobics	50-100m²	2 x CMX20T + 4 x MASK8F	20 Watts	○ ● ● / ○ ● ●
office	10-20m²	1 x CM4T + E-VOL40	6 Watts	○ ● ●
showers & toilets	60-100m²	2 x CM4T + 2 x CM4T	6 Watts	○ ● ●

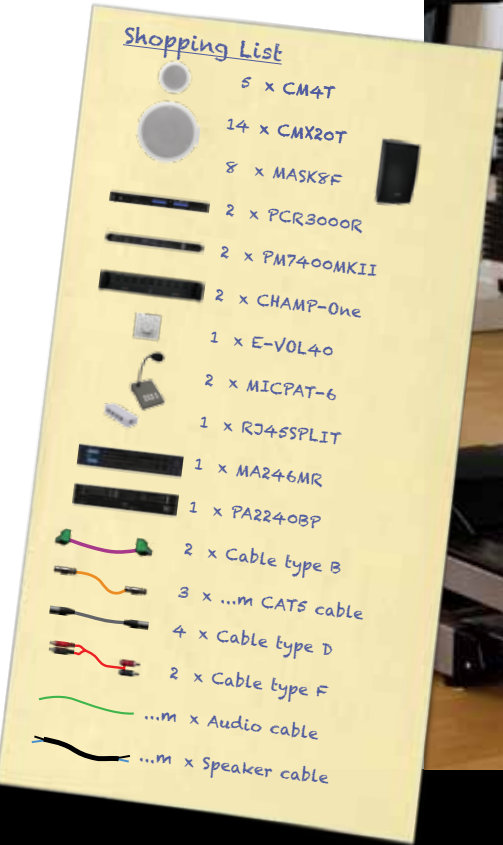
Is the project you are working on bigger than the fitness in this example? Check the other case studies in the sports & leisure section of this book, or contact your APart dealer. He will help you to work out a project that exactly fits your clients requirements.

ELECTRONICS CHOICE
STEP TWO

- MA246MR : 100 Volts mixing amplifier with radio & CD/MP3 player
- MICPAT-6 : selective 6-zone paging microphone
- RJ45SPLIT : to connect multiple paging microphones
- PA2240BP : 2-channel 100 Volts amplifier
- E-VOL40 : 100 Volts volume controller
- PCR3000R : DAB - FM tuner & CD-audio/MP3 via USB-key or SD slot
- PM7400MKII : 2-zone pre-amplifier
- CHAMP-ONE : stereo power amplifier

Max. total power consumption of this installation : 1000 + (2 x 1060) Watts

Fitness centre , Boxing club , Dance studio , ...

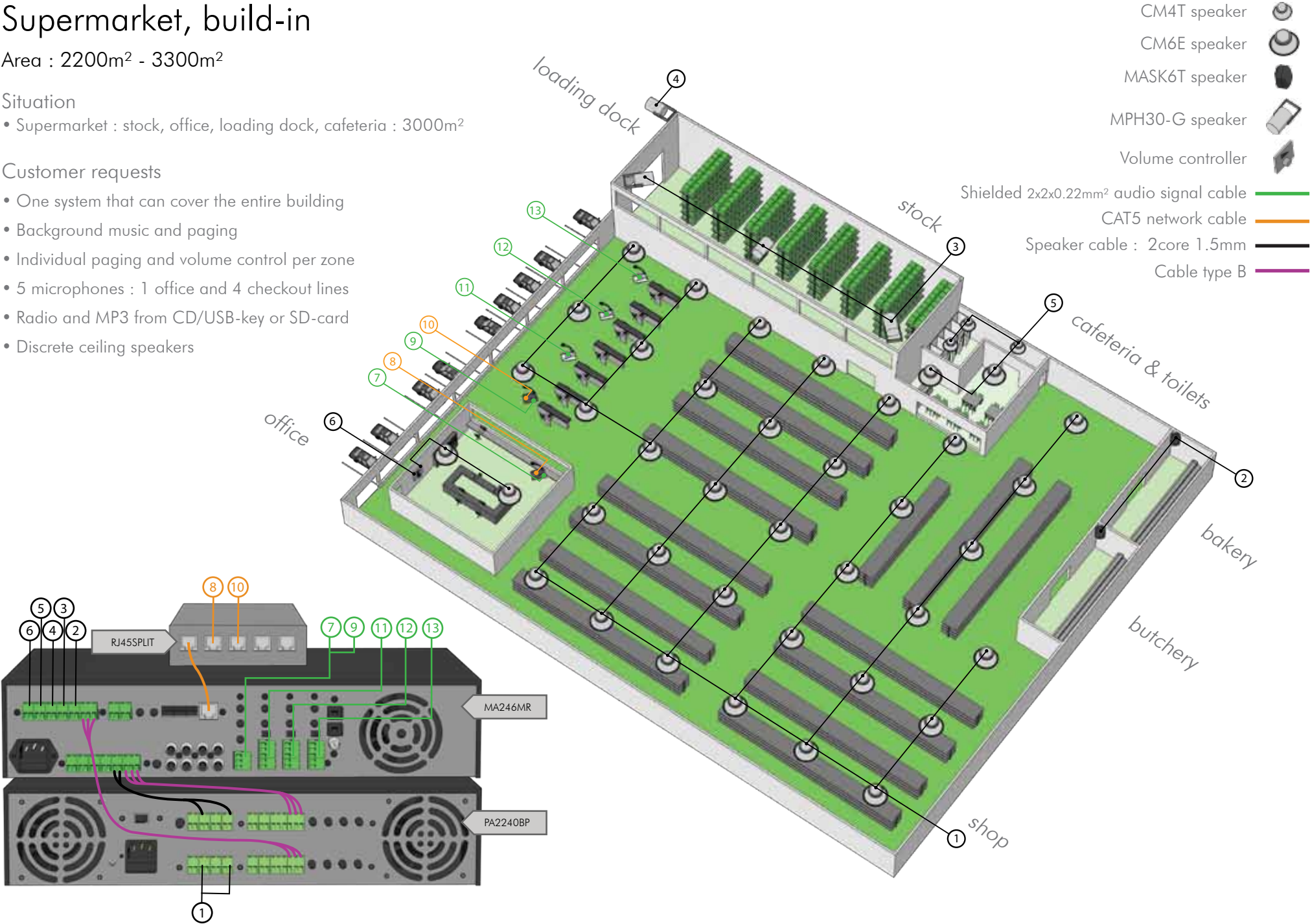


Supermarket, build-in

Area : 2200m² - 3300m²

- Situation
- Supermarket : stock, office, loading dock, cafeteria : 3000m²

- Customer requests
- One system that can cover the entire building
 - Background music and paging
 - Individual paging and volume control per zone
 - 5 microphones : 1 office and 4 checkout lines
 - Radio and MP3 from CD/USB-key or SD-card
 - Discrete ceiling speakers



SPEAKER CHOICE
STEP ONE

- CM4T : 4.2" ceiling speaker
- CM6E : 6.5" ceiling speaker
- MPH30-G : horn loaded sound projector
- MASK6T : 6.5" cabinet speaker

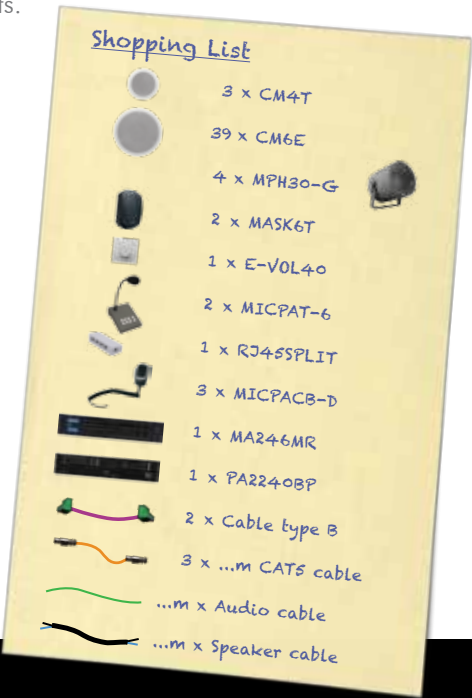
Zone	Surface in m²	Speakers	Speaker power setting	Colour
shop	1800-2400m²	35 x CM6E	6 Watts	○ ● ●
bakery & butchery	60-120m²	2 x MASK6T	15 Watts	○ ●
stock	250-400m²	3 x MPH30-G	15 Watts	●
loading dock	100-200m²	1 x MPH30-G	30 Watts	●
cafeteria & toilets	70-120m²	2 x CM6E / 3 x CM4T	6 Watts	○ ● ●
office	30-60m²	2 x CM6E + E-VOL40	6 Watts	○ ● ●

Is the project you are working on bigger than the supermarket in this example?
Check the other case studies in the retail section of this book, or contact your APart dealer.
He will help you to work out a project that exactly fits your clients requirements.

ELECTRONICS CHOICE
STEP TWO

- MA246MR : 100 Volts mixing amplifier with radio & CD/MP3 player
- MICPACB-D : sturdy CB type paging microphone
- MICPAT-6 : selective 6-zone paging microphone
- RJ45SPLIT : to connect multiple paging microphones
- PA2240BP : 2-channel 100 Volts amplifier
- E-VOL40 : 100 Volts volume controller

Max. total power consumption of this installation : 1000 Watts



Supermarket , foodcourt , Do-it-yourself store , ...



Parking garage, on-wall

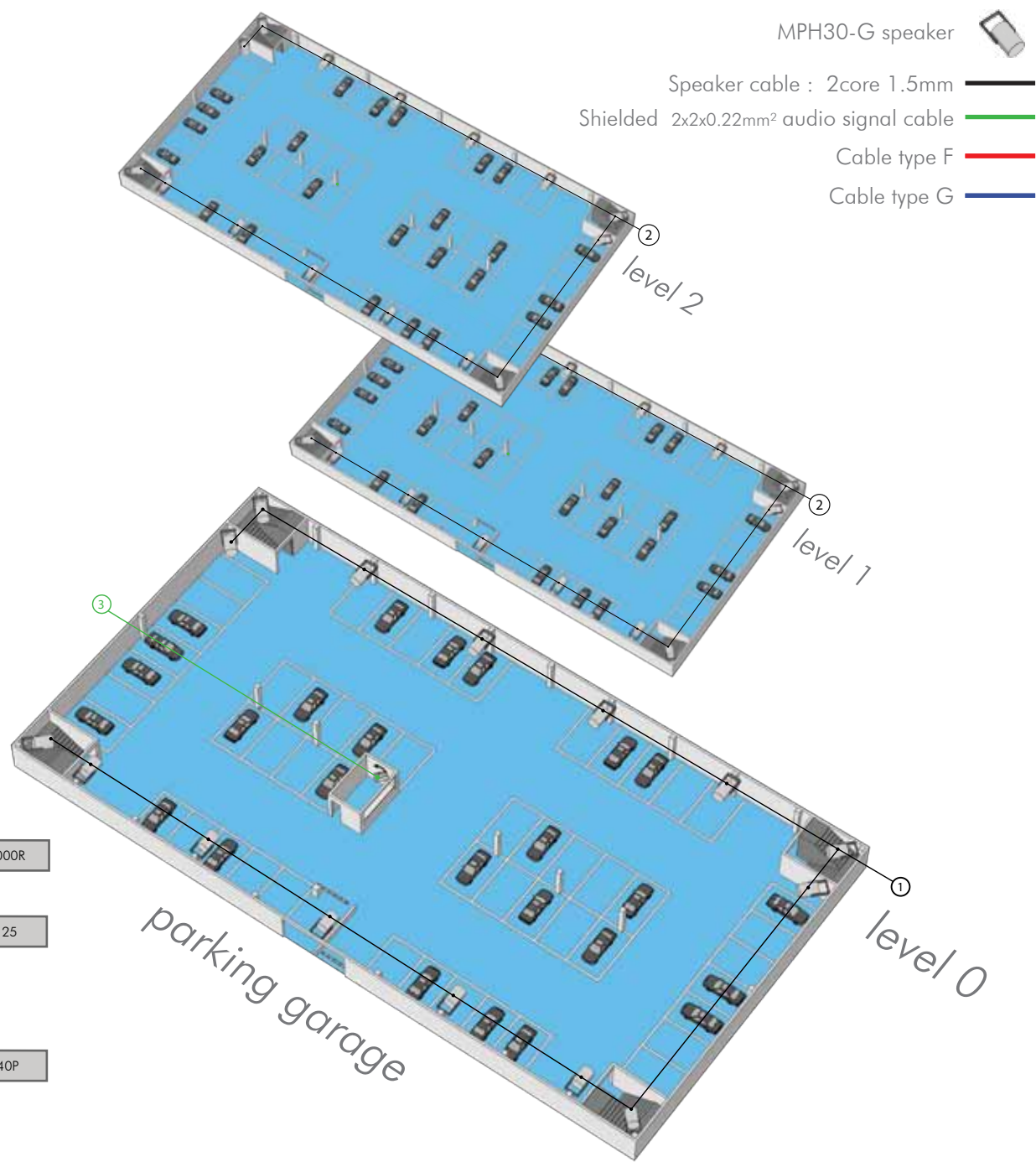
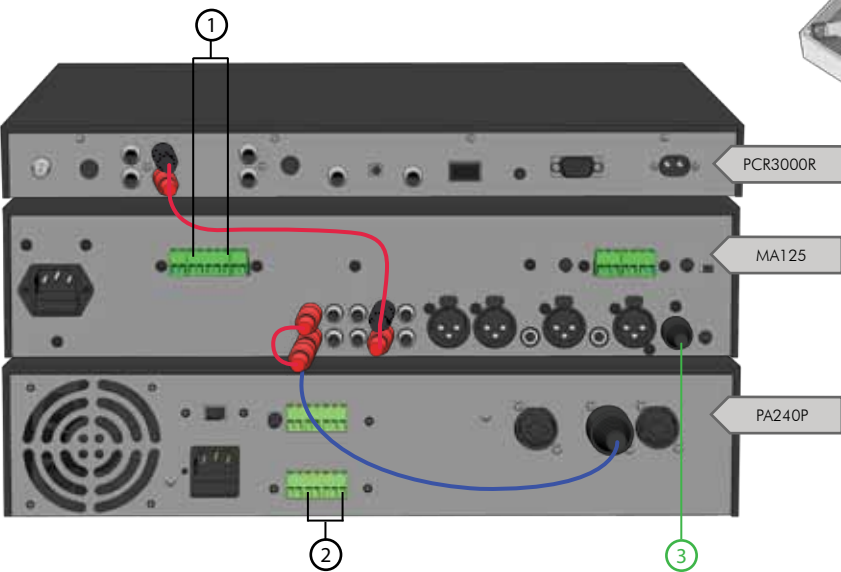
Area : 4800m² - 6600m²

Situation

- Parking garage with 3 levels : 5760 m²

Customer requests

- Background music from radio, CD or MP3
- Excellent intelligibility throughout the parking area
- Rustproof and sturdy sound projectors
- 24/7 operation and reliability
- Microphone for paging messages



SPEAKER CHOICE

STEP ONE

- MPH30-G : horn loaded sound projector

Zone	Surface in m ²	Speakers	Speaker power setting	Colour
level 0	1600-2200m ²	11 x MPH30-G	5 Watts	●
level 1	1600-2200m ²	11 x MPH30-G	5 Watts	●
level 2	1600-2200m ²	11 x MPH30-G	5 Watts	●
staircase	20-40m ²	12 x MPH30-G	5 Watts	●

Is the project you are working on bigger than the parking garage in this example?

Contact your APart dealer, he will help you to work out a project that exactly fits your clients requirements.

ELECTRONICS CHOICE

STEP TWO

- PCR3000R : DAB - FM tuner & CD-audio/MP3 via USB-key or SD slot
- MA125 : 100 Volts mixing amplifier for one level
- PA240P : 100Volts amplifier per 2 extra levels
- MICPAT-D : paging microphone

Max. total power consumption of this installation : 550 Watts (each level)



Parking garage , ...



Miscellaneous