

I'CITYFORALL

PERCEI^{forall}

AUDIO FOR EVERYONE , ANYWHERE

For better intelligibility and localization of audio signals

The AGC^{forall} pre-adjusts audio signal to the target user of diverse spaces taking into account the acoustic environment and the variability of sound ambiances. Its parameter setting allows an application in confined spaces such as railway station and airport or vehicles.

1
"ForAll" user oriented processing

2
Acoustic environment oriented processing

The AGC^{forall} system includes:

- A frequency pre-compensation for age related hearing loss according to the personal user profile or a "for all" profile based on the ISO 7029 standard
- A gain limiter module for presbycusicsauditory recruitment phenomenon
- dedicated AGC module based on adaptive ambient noise estimation robust to sound events

Public address systems

Automatic adjustment of the public address systems sound level with regards to the variation of ambient noise and reverberation amounts.

Car Auditory display

Adaptation of auditory display according to the driver auditory profile and urban ambient noise masking threshold

System overview

