

Wireless in-car charging becomes reality

Liu Jingxian and Zhu Jing

Delphi Packard Electric Systems Ltd, which has its headquarters in Jiading's Shanghai Auto City, has successfully developed an in-car wireless charger for mobile phones. The company has partnered with two domestic car makers, one of which is now in mass production.

Charging mobiles in the car is not new. However, the

technology to support wireless charging has not been easy to realize. The biggest challenge is reliability, according to Zhang Jian, manager of the company's electronics engineering department.

Zhang says temperature matters a lot to product reliability. Normally, electronic products work properly at an environment of between 30 to 40 degrees Celsius. But the requirement will be 65 to 85

degrees for gadgets to be used safely in car. Delphi Packard requires its product to work continuously for 500 hours in such an environment without breakdowns or faults during product reliability tests.

During the R&D process, Zhang's team was puzzled by the issue of electromagnetic interference. Wireless charging technology uses air as a medium, which means noise and radiation are inevitable

during charging. So other electronic gadgets might be affected as well. "Radiation is no good to either human beings or electric appliances," Zhang said. Radios and navigators in cars will be interfered with or even break down if the issue is not resolved.

The in-car wireless mobile charger developed by Delphi Packard passed the EMC Test and is graded 4, the highest level domestically.

However, the technology still has the potential to improve, such as charging efficiency, saving people from borrowing chargers from others while improving driving safety.

Zhang said Delphi Packard is to launch more products, such as remote charging and one-to-multiple charging mode, in the future to meet market demand and make in-car wireless charging technology more accessible.

Basketball legends show off their skills

Ran Tao and Zhu Jing

THIS year's NBA Legends Tour in China took place at Jiading Stadium on August 30. A number of former NBA players played an exhibition match. Team Tiger led by Gary Payton secured a narrow 56-54 victory over Team Dragon led by Mengke Bateer. Li Yuan, deputy district mayor, watched the game and presented the award to the winning team.

Besides the basketball game, performances and activities during the interval excited the audience. Streetball legend Philip Champion, better known as Hot Sauce, staged a jaw-dropping performance for Chinese basketball fans. Champion got his nickname as he loves shouting "sauce" when shooting. With his long arms and great flexibility, he has created over 100 moves to get past defenders.

Champion has given every move a name. For example, Slow Mo Cross is a trick that a set of slow-motion moves followed by a sudden speed-up. The trick has wowed many streetballers worldwide.

Born in 1986, Jahmani Swanson might be the most inspiring basketball player in the world. Although only 1.35 meters tall, Swanson has earned a place in American Professional Basketball League. "Basketball is the sport I love. I'd like to show



Former NBA stars demonstrate the finer points of the game during a match at Jiading Stadium.

my true capability to the audience on the court," says Swanson. Michael Jordan has been his idol since he was little. Apart from the regular season, Swanson gives lectures at different schools across the country

to encourage students not to give in to difficulties but to believe that they can make it if they try hard.

During the event, two Chinese exhibition basketball teams led by Jiang Shan and Wang Bin showed off various

amazing basketball skills to the audience.

During the day, players from the American Professional Basketball League visited the Confucius Temple in Jiading and a teahouse in Zhouqiao Old Street.

Students get closer to nature on campus

Li Huacheng and Xu Fang

AN "edible" campus was been created at the Experimental Primary School affiliated to Tongji University in time for the new semester.

Designers from the university's College of Architecture and Urban Planning set up a garden in the campus where vegetables, fruit and crops are planted by the students.

"Our design aims to direct the children to get close to nature, know more about nature and love nature," said Wei Min, a PhD in architecture at the university. "They can learn plant knowledge, explore ecological balance and feel the beauty of nature."

Next spring, there will be a "food forest," where the students will plant cash crops like avocados. Crops like rice and corn will be planted in standard fields in the area along the Wusong River.

On the other side of the school along Moyu Road S., some decorative plants will be grown to beautify the campus. An ecological pond will purify water from the Wusong River and irrigate the paddy field.

"We will also grow some flowers and plants mentioned in the Nature textbook in the garden so that students can observe the plants in their textbook," Wei said.

Students will do most of the work themselves, including making planting boxes, deciding what kinds of vegetables and flowers they want to grow, managing the soil, watering, fertilizing, and recording plant growth and the harvest.

Designers have also introduced the concept of sustainability into the school. Kitchen waste will be turned into soil and waste water from sink outside the canteen will be collected and used for irrigation. In this way, the idea of environmental protection will be passed on to the students.

Sports complex up and running in Nanxiang

Ran Tao and Shen Li

AN 18,000-square-meter sports complex opened in Nanxiang Town on August 30.

All its shops will open by the end of September.

The complex has a badminton area with eight courts along with shower rooms and sauna rooms. The field has a VIP room with sofa, TV sets and other equipment.

The complex also has a

kung fu center, a dance center and taekwondo center, which are already open for use.

A roof-top tennis court covering an area of 1,400 square meters is near completion and it will have more than 100 seats for spectators. They will be able to watch a tennis match and, in their spare moments, also enjoy views of Nanxiang Old Street.

The complex will also have

a sports center for children, a children's theater and a lot of snack shops.

Operators of the complex say that it will benefit about 200,000 residents in 82 neighborhoods nearby in a scope of three kilometers, where other sports facilities are rare.

The complex will have discounted hours and free hours between 8am to 3pm from Mondays to Fridays. It will

also distribute a variety of discount vouchers to attract nearby residents to make use of the facilities.

"I can exercise, play ball game, dine and watch movies at the complex and that is much more convenient than before," said Tang Juan, a resident who lives at that Hongxiao Apartment Neighborhood which is close to the new complex.